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DRUG & CHEMICAL MARKETS

Established 1914

A Weekly Business Paper and Prices Current on
Chemicals, Drugs, Colors, and Aromatics

VOL. XVII

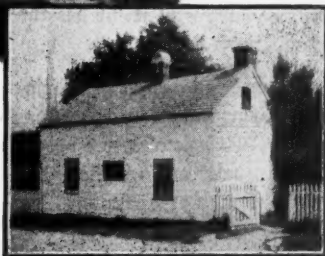
NEW YORK, JULY 22, 1925

No. 4

HEADQUARTERS



GETTYSBURG



Headquarters of the opposing generals at the battle of Gettysburg, one of the decisive engagements of the Civil War. General Lee, of the Confederate Army, directed his troops from the stone house; the commander of the Union Army, General Meade, issued orders from the house shown in the lower picture.

R & H is known as headquarters for chemicals. We hold this position because we sell results—because our survey of the industries has shown us the necessity of furnishing chemicals in quality that never varies from the highest standard.

Results from your formulas can be positively gauged through the unvarying uniformity of famous R & H Chemicals. The R & H Service is equally—and as favorably—well known.

R & H
CHEMICALS
Reg. U. S. Pat. Off.

The
ROESSLER & HASSLACHER CHEMICAL CO.
709 Sixth Avenue New York

**"Wood Burns Because It Has
The Proper Stuff In It."**

—Goethe

The merit of your finished product depends upon the care exercised in its preparation and upon a discreet selection of its raw materials.

It will be successful if "it has the proper stuff in it."

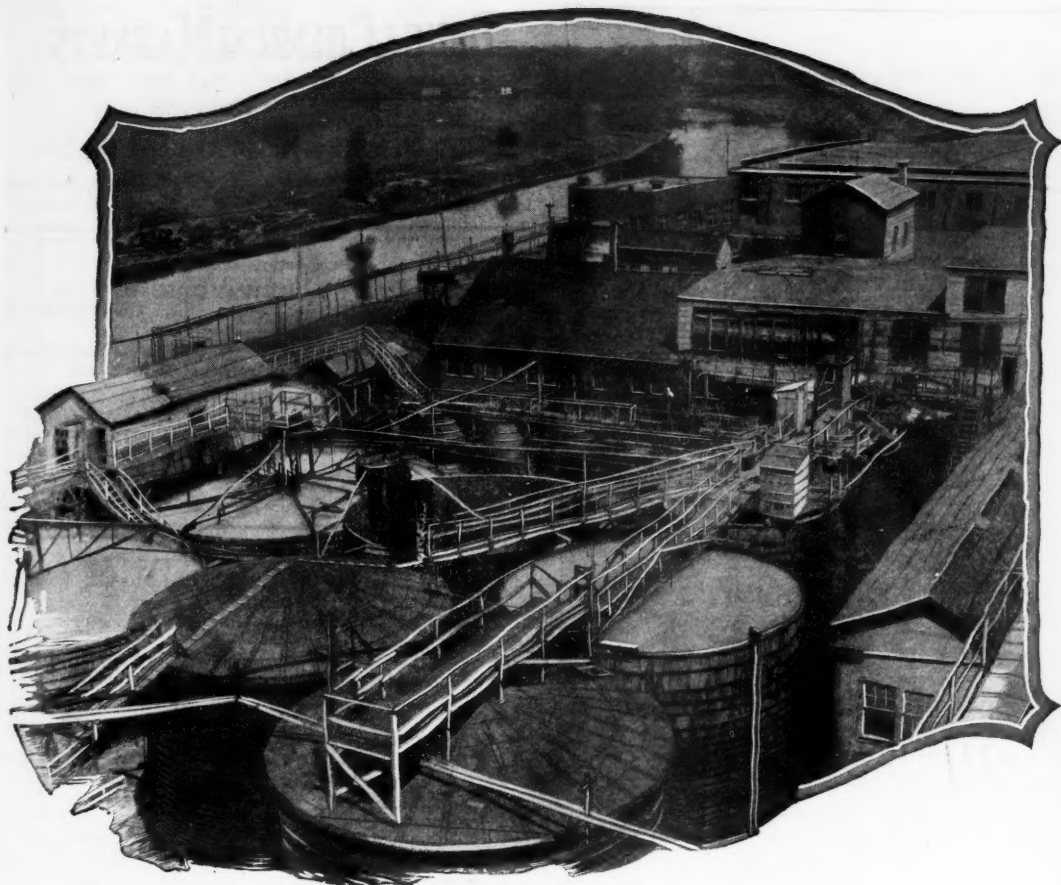
For the exacting needs of medicinal and pharmaceutical preparations Monsanto Chemicals offer the proper stuff—and usually at no higher price than current market quotations.

Monsanto Chemical Works
St. Louis, U.S.A.

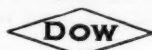
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New York
Chicago

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St. Louis
East St. Louis
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A Few of the Many



Products

Carbon Tetrachloride
Magnesium Chloride
Calcium Chloride
Epsom Salt
Salicylates
Pharmaceuticals
Industrial Chemicals
Dyes
Intermediates
Insecticides
Magnesium Metal

Capacity~

Growing steadily for more than a third of a century, The Dow Chemical Company has established production and methods on a basis that permits continued expansion.

It is Dow policy to be prepared for and to give its customers a safety factor in dependability of steady supplies by anticipating future needs. This policy has frequently permitted Dow customers to take advantage of opportunities which could not have been possible with restricted supplies.

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Successor to Dyestuff Department of H. A. METZ & CO.

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VOL. XVII

No. 4

The Week in Brief

News

Dye imports during the first six months of 1925 show a large increase over the imports for the same period in 1924.

A company in California is producing potash from cannery waste in carload lots. Alcohol is obtained as a by-product. More than 80,000 tons of raisins were handled during the year.

German manufacturers of rayon have incorporated a company under Delaware laws for \$17,500,000 and have chosen a site in the South for a plant. They promise a full statement of their plans soon.

Imports of bacteriological stains from January to June amounted to 48,982 grams, of which 95 per cent came from Germany and five per cent from England. Of the reagents imported 99 per cent came from Germany.

Markets

Demand for industrial chemicals proceeds in a satisfactory way. Prices are being maintained on practically the entire list. Formic remains weak.

Intermediates cut rather sharply by makers owing to large stocks and price-cutting. Gamma and N & W acids cut. Meta-Toluyenediamine lower. Para-nitro-toluene and para-toluidine down. Benzene is in strong position. Other light oils firm. Pyridine strong.

Linseed oil down slightly. Chinawood oil steady. Other vegetable oils holding well. Cottonseed oil up. Animal oils remain in strong positions. Greases move at high prices.

The tone of the fine chemical market is more wholesome with trading along routine lines. Prices are steady almost throughout the list, indicating firm positions.

Crude drugs are showing a fair degree of activity for the season with little of interest in price changes. Damiana remains scarce, with rhubarb firm and scammony root and resin higher.

MATHIESON Chemicals

Aqua Ammonia for Textile Processing

In line with our increasing production and to better serve the trade, we are steadily expanding our production facilities on Aqua Ammonia.

Warehouse stocks are now established at the following points:

Atlanta, Ga.
Baltimore, Md.
Buffalo, N. Y.
Charlotte, N. C.
Chattanooga, Tenn.
Fairmont, W. Va.

Fort Smith, Ark.
Knoxville, Tenn.
Lynchburg, Va.
Memphis, Tenn.
Nashville, Tenn.
Newark, N. J.

New Orleans, La.
New York City
Philadelphia, Pa.
Providence, R. I.
Richmond, Va.
St. Louis, Mo.

As rapidly as the growing volume of business warrants, new stocks will be added at other distributing centers. Mathieson Aqua Ammonia, 26°, is furnished in standard 110-gallon drums and is a synthetic product of exceptional purity.

We solicit inquiries from all textile consumers and are prepared to meet the demands of the trade in every possible way. Write us fully of your Aqua Ammonia requirements and we will be glad to give quotations and full information regarding our product.

The **MATHIESON ALKALI WORKS Inc.**
250 PARK AVE. NEW YORK CITY
PHILADELPHIA CHICAGO PROVIDENCE CHARLOTTE

*Caustic Soda - Liquid Chlorine
Bicarbonate of Soda
Anhydrous Ammonia*



*Soda Ash - Bleaching Powder
Modified Virginia Soda
Aqua Ammonia*

Deal Direct with the Manufacturer

Calco Scarlets for Lakes

One of the first dyestuffs made in the Calco factories was Acid Scarlet 2R (Schultz-Julius #82, Color Index #79). In the years which have intervened since then, we have constantly improved and refined both our process of manufacture and methods of standardizing until now we offer a full range of types to the makers of pulps and dry colors.

Each of these standards is designed to meet certain definite specifications—some are made for precipitation with Barium Chloride, others with Lead Acetate; some are very blue in undertone, others are quite yellow, while still other types are of primary interest to the pulp manufacturers. **Before leaving our factory all shipments of these standards are tested in our lake laboratory according to the way in which they are to be used.**

If you will send us your specifications for Scarlet, we will send you a sample of the Calco type that will best answer your requirements.

"A Mark of Quality"



THE CALCO CHEMICAL COMPANY

Bound Brook N.J.

New York Boston Philadelphia Chicago

Canadian Representative: Dillons, Ltd., Montreal, Toronto

DRUG & CHEMICAL MARKETS

VOL. XVII

NEW YORK, JULY, 22, 1925

No. 4

DYES—FERTILIZER—METHANOL

Fifty-six proposals—good, bad and indifferent—were received by the Badische company from the United States regarding synthetic methanol up to the first of July. They ranged, so we are told, all the way from an offer for outright purchase for cash to a sales agency on a one per cent basis. Some were submitted worked out in the finest details covering every legal, chemical, financial aspect of the proposal: others were the most sketchy kind of a memorandum. They came via cable, via mail, and were in several cases submitted in person by influential men with the strongest financial and industrial backing. All have been politely, but firmly, and publicly declined.

Why? No reason is given, but it may be sought, and possibly found, in the plans that are centered in the formation of the General Dyestuffs Corporation. It is not a secret any longer that this organization will embrace the American representatives in the dyes field of the members of the I. G. One of these also handles the nitrogen products of Badische. The one important American dyestuff maker, commonly reported as a member of the general combination, has the chemical and financial resources equipping him to handle synthetic methanol either as sales agent of the German-made product or as manufacturer of the product in the States under the German patents. Keen memories in the industry do not forget that one of the very first Americans to see the methanol plant at Leuna was a major executive of this same American chemical corporation. His reports were enthusiastic, and Dame Rumor easily pieces together a pretty logical combination of dyes, nitrogen products, and gas pressure synthetics made in Germany by the I. G. group or here by the General Dyestuffs group as the necessity of tariff or competition make most profitable for all those concerned.

LET CHEMISTRY DO IT

Chemistry can solve the garbage disposal problem that is puzzling Mayor Hylan if he will take up the question from the economic point of view and forget politics for awhile. The by-products are sufficient inducement for capitalists to invest in a plant. They could at least recover the grease. Prices are high and the only competition is from animal greases produced at the stockyard plants. Once upon a time the garbage was sent to Barren

Island and the company having the contract with the city was able to get profitable by-products from it and had succeeded in making the process odorless when politics closed the plant. A Staten Island plant ran for awhile, but the tentacles of politics finally wound themselves around it and squeezed it to death.

Mayor Hylan had a happy thought one day and decided to cast the city's refuse into the sea. He carried out his plan and everything went well until people who went bathing at Rockaway or Coney Island bumped into stale watermelon, grapefruit, empty fruit cans and golden banana skins that came floating in with the tide and strewed the beaches over night. A cry of disgust went up from the "peepul," the health authorities were appealed to and the edict is that the city must find another way of disposing of its waste.

Incinerators can be made odorless, but they destroy and are not to be considered in the present day when chemistry offers so many inducements to "save the pieces," to obtain the by-products and bring a return to the city if the business is honestly conducted. Out in California a private firm is making potash out of the waste from canneries. They ship the products by the carload. Alcohol also is obtained. Last year they handled 80,000 tons of raisins. They are making money. Why not give some enterprising company an honest chance to see what there is in New York garbage? The politicians know there is something in it, but they ought to let a company, conducted in a business way, make something for themselves and for the city.

BUSINESS PICKING UP

Many industries using chemicals in sufficient quantities to have a noticeable effect upon the market when active buying begins are reported to be showing signs of improvement. In Massachusetts the shoe industry has begun work on Saturdays which have been a holiday for three years. The change is due to increased orders. Improvement in the textile industry, also, is reported. While the demand for dyes is still more in the nature of hand-to-mouth buying, it is known that stocks at the mills are small and with an increase in business the textile companies will be forced to place new orders. The Federal Reserve Bulletin reports a marked improvement in the domestic raw wool markets. Buying has increased and prices are advancing. The starting up of several departments

in the large mills in Manchester, N. H., which have been closed for months is looked upon as a very definite sign of better times coming. These conditions must be reflected in the chemical and dye markets at an early day.

TO AGREE OR NOT TO AGREE

"There appears to be some sort of agreement between the German manufacturers (of synthetic methanol) and the American wood distillers that the synthetic material shall not be put on to the American market at a price that will put the wood distillers out of business."

The "Chemical Age," of London, in a recent editorial, gives the American wood chemical industry credit for having consummated an agreement which is thus far remotely in the future. The German manufacturers are understood to have made an agreement with their own wood distillation industry to keep the price of synthetic methanol high enough to allow the wood chemical producers to compete. As for the American industry, a petition for a fifty per cent advance in the tariff on methyl alcohol has already been filed in Washington under the flexible provisions of the tariff law. The wood distillers of the United States have been preparing for some months to fight this foreign invasion. If an agreement to support the methanol market here were in existence, the militant activities of American producers would be decidedly incongruous.

The agreement which Badische is supposed to have with German wood chemical interests, that is, an arrangement to prevent cutting prices too low, may be the very thing which will give the greatest protection to the American producers in the long run. The German maker cannot sell synthetic methanol in the United States at lower prices than in the home market without violating our anti-dumping law. Thus, the matter narrows down to whether American wood distillers can compete with the German with the help of an eighteen cent duty, which in all probability will be allowed. The chances are that the industry here will be able to compete, and complete favorably, under the new conditions. An agreement with the German producer might be extremely embarrassing to wood chemical producers here in the light of future developments.

The new edition of the German Pharmacopoeia, which will be out by the end of the year, contains several new features. Newly introduced remedies are included in the listing, and 20 degrees centigrade has been adopted as the standard temperature instead of 15 degrees. Specific gravities will be compared with the exact volume of one liter instead of the weight of water at 15° C. Physiological methods of standardization for certain drugs are recognized and the appendices include tables of volumetric solutions and boiling points at various barometric pressures.

The "Indian Trade Journal" has issued a supplement showing the tariff schedules for the seven months, June to December, 1925, for goods imported into and exported from British India. It consists of a reprint of Schedules II and III of the Indian Tariff Act VIII of 1894.

Science and Sales

Acetate silk or similar materials to be colored with insoluble azo dyes can be colored with the use of the dyes in such organic solvents as naphtha, which are not miscible with water or soap in aqueous solution.

A cloth substitute is made by a patented process by allowing cotton fibres or fibrous materials in fluid suspension, such as water, to settle out to form a layer of fibres which is treated with a solution of ammoniacal copper oxide to cause them to adhere together to form a porous textile which will withstand washing.

Collars and cuffs can be waterproofed by impregnating them with a transparent mixture, composed of celluloid 20%, ammonium acetate 60%, and a strong solution of formaldehyde 20%. The material is patented in the U. S. under number 1,533,598.

Ethylene glycol along with benzene, gasoline, alcohol, butanol, camphor, is used to prepare a nitrocellulose lacquer or enamel suitable for application with a brush.

The destructive distillation of leather scrap, glue, gelatin, especially the first, is a commercial source of supply for pyrroles which by reduction give pyrrolidines suitable for use as insecticides.

Naphthalene, sulfuric acid, and sulfur are heated together at 160 to 180 degrees for three hours. The resultant condensation product has been used with success as a tanning agent.

Discoloration of canned foods is reported due to the formation of iron sulfide as a result of the reaction of hydrogen sulfide from decomposition of protein at processing temperatures, with the iron of the container.

Ammonium sulfate and caustic soda, both in dry state, are dissolved in water at time of use and make an effective means of removing old powder deposits from gun barrels. The solution should be used while chemical reaction is still going on. The material is patented in the U. S.

An effective rust remover from cotton is made by one ounce of oxalic acid and an ounce of potassium acid fluoride in a quart of water, which is neutralized with ammonia water after application.

The thorium, cerium, zirconium, uranium, and other salts of fatty acids are used for impregnating textiles with an insoluble material to make them waterproof.

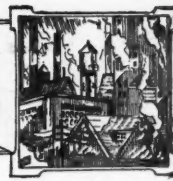
Light colors can be imparted to asphaltic coverings on metal or other objects by applying a thin film of pyroxylin compound carrying the light-colored pigment.

Norway's receipts of industrial chemicals in 1923 amounted to 49,825 tons, valued at 14,202,900 crowns, says S. H. Swift, of the Chemical Division, Department of Commerce. Some of the leading industrial chemicals with amounts imported were: Soda ash, 23,822 tons; Glauber salts, 9,894 tons; alum, 2,673 tons; bleaching powder, 2,476 tons; caustic potash, 1,249 tons; caustic soda, 1,427 tons; glycerin, 529 tons; potash, 630 tons; ammonium compounds, 1,124 tons; nitric acid, 665 tons; and sulfuric acid, 102 tons. The United States shared only to a limited extent in this trade, the bulk having come from European manufacturers.



Industrial Chemical

SECTION



Dye Imports Heavier Than In 1924

Each Month in 1925 Shows Increase Over Corresponding Month Last Year—Six Months' Imports Total 2,503,151 Pounds Compared With 1,215,959 Pounds in the Same Period in 1924—Stocks in Bonded Warehouse Accumulating—Leading Colors Were Ciba Violet B R, Indanthrene Golden Orange, Cross Dye Green, Ciba Scarlet G and Rhodamine B Extra—Fifty Per Cent of Dyes Came From Germany and 32 Per Cent From Switzerland

During the six months ended with June, imports of coal tar dyes amounted to 2,503,151 pounds, valued at \$2,320,844, compared with 1,215,059 pounds, valued at \$1,243,884 in the corresponding period of 1924. The duty was reduced automatically in September last. Stocks of dyes remaining in bonded customs warehouses are accumulating, the total being 734,000 pounds of colors, and 1,089,000 pounds of intermediates of May 31 last, compared with 507,000 pounds of colors and 1,081,000 pounds of intermediates on Aug. 31.

Imports during each month of 1925 have been much heavier than in the corresponding month of 1924, being more than double in February, April, May and June.

Imports of 376,668 pounds in June compared with 370,271 pounds in May.

The five leading dyes by quantity imported last month were: Ciba violet B R, 37,472 pounds; indanthrene golden orange G, 19,284 pounds; cross dye green B, 9,005 pounds; ciba scarlet G, 8,930 pounds; and rhodamine B extra, 8,600 pounds, the quantity being expressed in single strength, according to a report by the Chemical Division of the Department of Commerce working in conjunction with Chemical Division of the Tariff Commission.

Of June imports, 50 per cent came from Germany and 32 per cent from Switzerland.

The Dyes in this report are grouped by Schultz Numbers and in the case of those which could not be identified the classification according to the ordinary method of application was adopted. As the pastes and powders of the vat dyes vary widely in strength and quantity, each vat dye has been reduced to a single strength basis. The following abbreviations are used to designate the country of shipment: G for Germany, E for England, S for Switzerland, I for Italy, C for Canada, B for Belgium, H for Holland and F for France.

KEY TO ABBREVIATIONS

- The Six Leading German Companies
 - Actien Gesellschaft fur Anilin Fabrikation, Berlin, Founded 1873.
 - Badische Anilin- und Soda Fabrik, Ludwigshafen on the Rhine. Founded 1865.
 - Farbenfabriken, vormals Friedr. Bayer & Co., Leverkusen on the Rhine. Founded 1862.
 - Leopold Cammels & Co. Frankfurt on the Main. Founded 1870.
 - Kalle & Co., A. G., Bielefeld on the Rhine. Founded 1870.
 - Farwerke, vormals Meister Lucius & Brumling, Höchst on the Main. Founded 1862.
- The Smaller German Companies
 - Leipziger Anilinfabrik Beyer & Kegel, Furstenberg, near Leipzig. Founded 1882.
 - Chemikalienwerk Griesheim G.m.b.H., Offenbach on the Main. Founded 1882.
 - Carl Jager G.m.b.H., Anilinfabrik, Dusseldorf. Founded 1923.
 - Chemische Fabrik Griesheim-Electron, Offenbach on the Main. Founded 1842.
 - Farwerk Mulheim, vormals A. Leonhardt & Co., Mulheim on the Main. Founded 1879.
 - Chemische Fabriken, vormals Weil ter Meer, Uerdingen on the Rhine. Founded 1877.
 - Wulffing, Dahl & Co., A. G. Barmen. Founded 1842.
- Swiss Companies, all at Basel
 - Farwerke vormals L. Durand, Huguenin & Co. Founded 1871.
- Antilinfabrik und Extract-Fabriken, vormals Joh. Rud. Geigy, Founded 1764.
- Geellschaft for Chemische Industrie. Founded 1885.
- Chemische Fabrik, vormals Sandes & Co. Founded 1887.
- Dutch and French Companies
 - Niederlandsche Farben- und Chemikalienfabrik Delft, Delft, Netherlands. Founded 1897.
 - Compagnie Nationale des Matieres Colorantes et Produits Chimiques. Founded 1917.
 - Farwerk Ammersfoort, Ammersfoort, Netherlands. Founded 1888.
 - Societe Anonyme des Matieres Colorantes et Produits Chimiques St. Denis, (formerly A. Fauriol), Founded 1830.
- English Companies
 - Brotherton & Co. (Ltd.), City Chambers, Leeds.
 - British Alizarine Co., (Ltd.), Manchester.
 - British Dyestuffs Corporation (Ltd.), London.

- C1 Co....The Clayton Aniline Co. (Ltd.), Clayton, Manchester.
- CV....The Colne Vale Dye and Chemical Co. (Ltd.), Milnsbridge, Huddersfield.
- 1Etablissements Kuhlmann merged with this company in 1923.
- Hol....L. B. Holliday & Co. (Ltd.), Grangemouth.
- Scot....Scottish Dyes (Ltd.), Grangemouth.

The list of dyes follows:

Schultz No.	Dye and Maker	Quantity Pounds	Schultz No.	Dye and Maker	Quantity Pounds
61	Azo violet 4BS extra conc.—P	44	505	Acid green extra conc.—C	309
64	Sorrel red X—B	1,050	506	Froglaucine AP—G	2,644
141	Citronline AAEE—B	44	508	Xylene blue AS conc.—S	727
	Metachrome violet B—A	100	511	Para rosaniline pdr—By	100
161	Eosiline—P	44	512	Fuchidine—Q	110
173	Stone red R pdr—B	44	514	Dahlia for white bluish—G	11
	Eriochrome flavine A conc.—G	1,102	515	Methyl violet 4B—Gr-E	5
217	Naphthalene black 12B ex. conc.—P	44	516	Crystal violet extra pdr—B	300
232	Biebrich scarlet R med—K	100	518	Ethyl violet—B	1,000
	Benzo fast rubine BL—By	100	523	Fast green extra bluish—By	230
257	Sulphon cyanine G—By	100	528	Fast acid violet 10B—P	44
273	Diaminogreen blue NA—C	441	537	Methyl silk blue new—G	110
	Diamine orange B—C	900	539	Soluble blue 4B extra conc. for cotton—P	99
	Diazo brilliant orange GR extra—By	200	539	Soluble blue 6B for silk—P	44
	Brilliant benzo violet B pdr—By	404	543	Patent blue Y—M	1,312
	Diamine brilliant violet B—C	1,051	543	Favoson blue BOK—B	10
279	Benzo fast orange S, WS—By	300	548	Blau extra—C	581
279	Benzo fast scarlet 4BS—By	666	551	Chromoxane brilliant blue G pdr—By	699
319	Diamine scarlet 3B—C	1,000	552	Chromal blue GC for printing—G	331
326	Benzo violet O—By	485	553	Eriochrome cyanine BC—G	1,168
339	Diamine orange B—C	900	554	Chrome azurol S conc.—G	551
	Polar red R conc. BS conc.—G	2,204	559	Victoria blue B—I	494
358	Chloramine red 8BS—By	1,209	559	Victoria blue B conc.—M	2,254
360	Ignamine orange R—B	300	564	Erio green B supra—G	2,249
	Chromotritone R—DH	661	564	Naphthalene acid green J extra—P	100
373	Acid milling red G conc.—G	1,102	579	Sulpho rosaniline B extra—M	100
400	Diamine orange F—C	100	573	Rhodamine B extra (single strength)—B	8,600
400	Acid anthracene red 3B—B	641	573	Rosazeine B extra (single strength)—M	5,605
406	Milling scarlet 4B conc.—M	661	571	Rhodamine 6G extra (single strength)—I	5,605
476	Cuprandi brown G—I	50	571	Rosazeine 6G extra (single strength)—M	5,605
	Benzo chrome brown B—By	60	571	Rosazeine 6GD extra (single strength)—M	100
11	Chloramine orange G—By	1,005	584	Fast acid blue B—M	100
11	Chlorazol fast orange D—BD	551	587	Eosine A—B	10
207	Diphenyl fast brown GF—G	419	603	Acridine orange conc.—Q	1,676
19	Fast light yellow 3G—By	44	603	Brilliant acridine orange A—DH	1,676
23	Tartrazine extra conc.—F	44	603	Rhoduline orange NO—By	551
	Pyrazol orange G, conc., R. conc.—S	1,451	608	Patent phosphine M—I	1,360
496	Setoglandine 753—G	551	613	Quinoline yellow extra—B	350
498	Turquoise blue BB—By	100	163	Quinoline yellow KP extra—B	100
500	Setocyanine 396—G	110	617	Diphenyl chlorine yellow FF supra—G	1,212
			618	Rhoduline yellow 6G—By	300
			672	Azo carmine GX—B	2,100
				Wool fast blue BL—B	1,776
				Wool fast blue GL—By	500
			687	Methylene heliotrope extra strong—M	660
			681	Malta gray I—P	100
			923	Fur blue black A, B—A	100
			923	Fur brown NZD, P, 4R, SK—A	100
			923	Fur gray B, G—A	1,760

Schultz No.	Dye and Maker	Quantity Pounds	UNIDENTIFIED DYES	Quantity Pounds	Dye and Maker	Quantity Pounds	
923	Fur gray brown SLA-A		Acid rhodamine 3B-I	551	Chlorantine fast yellow 4 GL-I	1,763	
923	Fur olive 6G-A		Acid violet 5BE conc.-P	44	Chlorazol fast helle BK-BD	104	
923	Fur yellow brown A-A		Acid violet 10B-C	10	Chlorazol fast orange AG-BD	500	
	Chromaurine E pdr., G-DH	1,543	Alizarin direct blue A-M	500	Cotonol A extra-A	500	
	Chromaurine G-I		Alizarin supra blue A pdr.-By	100	Developed blue 4 GL extra pdr.-By	440	
627	Chromacetine blue S extra pdr.-DH		Amido fast brown R-M	238	Developed brilliant scarlet 2 BL pdr.-By	110	
635	Modern violet pdr.-DH		Avo oreille BB-C	200	Diamine azo fast bordeaux B-C	10	
637	Gallamine blue extra paste-G	2,359	Brilliant acid blue EFG-By	200	Diamine azo fast green G-C	10	
644	Ultra cyanine BB-S		Cloth fast yellow G-I	2,646	Diamine azo fast violet R-C	230	
645	Gallamine pdr.-DH		Eosine CPG pdr.-A	10	Diamine catechine B-C	420	
646	Methylene green F extra-I	2,093	Guinea fast red BL-A	500	Diamine catechine 3 G-C	150	
660	Methylene green W-G		Indocyanine B-A	1,000	Diamine fast brown GB-C	200	
663	New methylene blue N-C	400	Neolan blue G-I	220	Diamine fast brown 3G-C	10	
748	Hydron blue R pdr. (s.s.)-C	5,000	Neolan pink B-I	220	Diamine fast orange FK-C	1,500	
748	Pyrogene green 3G-I		Neolan pink G-I	220	Diamine fast rose G-C	10	
778	Alizarin VI extra pure-B	8,380	Onix 3B-B	556	Diamine fast red violet FR-C	10	
779	Alizarin orange R paste-M		Phloxine BRN-A	10	Diamine fast rubine FP-C	10	
780	Alizarin red S pdr.-B		Posidon green VGGX-B	200	Diamine fast yellow AGG-C	250	
782	Anthracene brown SW pdr.-B		Radio black SB-C	50	Diaminogene GG-C	882	
784	Alizarin SX paste-RD	2,717	Radio brown S-C	100	Diaminogen CG-M	200	
858	Alizarin blue WS pdr.-By		Radio green C-C	100	Diazand pink B-M	100	
858	Alizarin saphrol WSA pdr.-By		Silk blue BSIC pdr.-A	50	Diaz fast green GF-By	100	
858	Alizarin saphire blue B-I	110	Sulphon orange G-By	250	Diaz geranine B extra-By	3,207	
801	Alizarin blue SWGG pdr.-B	400	Sulphon yellow 5G-By	288	Diazophenyl black V-G	1,102	
804	Alizarin blue S pdr.-B		Wool black 6B-A	100	Diphenyl fast brown GNC-C	2,205	
804	Alizarin blue S pdr.-B	2,974	Wool blue RR extra pdr.-By	100	Diphenyl fast gray BC-G	440	
808	Alizarin green S paste-BD	10	Wool discharge cyanine 3G-M	5	Diphenyl catechine D supra-G	2,205	
852	Alizarin blue JR pdr.-By	540			Direct fast brown 3 GL-By	227	
852	Alizarin triazole K pdr.-By				Direct fast violet B pdr.-By	1,000	
856	Alizarin astrol B pdr.-By	399			Fast cotton gray BL-A	100	
859	Alizarin direct blue RKO-B				Half-wool blue 3 R-By	50	
860	Alizarin direct blue BGAO-B	820			Naphthamine light brown 2 G-K	200	
865	Alizarin cyanine green G ex pdr.-By	200			Pluto black G-By	5	
853	Anthraquinone violet pdr.-B				Rosanthrene RN-U	661	
854	Alizarin viridine FF paste-By	5,904			Rosanthrene orange R-I	1,213	
862	Alizarin blue black B pdr.-By	7,964			Rosanthrene fast red 7 BL-I	220	
862	Alizarin blue black 3B pdr.-By				Zambel black F-A	500	
851	Alizarin direct blue B-M	1,500					
851	Alizarin levelling blue B-C						
855	Alizarin pure blue B-By	420					
850	Vat blue WB pdr.-B	200					
759	Anthra yellow GC paste-B						
759	Anthra yellow GC paste-B (ss)-B	5,159					
759	Vat yellow GC paste-B						
760	Helindone golden orange IG dbl. paste (ss)-M	19,284					
760	Vat golden orange G dbl. paste (ss)-B						
761	Helindone golden orange IRR paste (ss)-M	9,130					
761	Vat orange RRT paste (ss)-B						
763	Vat dark blue BOA paste-B	2,457					
765	Vat black BB dbl. paste (ss)-B	1,496					
767	Vat brilliant violet RR paste fine-B	1,918					
767	Vat violet RR extra dbl. paste (ss)-B						
842	Indanthrene blue GCD dbl. paste (ss)-B	4,468					
842	Vat blue GCD dbl. paste (ss)-B						
842	Vat blue BGS pdr. No. 2	5,000					
849	Indanthrene yellow G paste-B						
849	Indanthrene yellow G dbl. paste (ss)-B	3,820					
849	Vat yellow G dbl. paste (ss)-B						
848	Anthra gray B pdr. (ss)-M	800					
819	Algal red FF extra paste-By	1,995					
821	Grelanone violet 3B pdr. (ss)-Gr-E	576					
820	Grelanone violet 3B paste-Gr-E	957					
820	Vat brilliant violet HK paste-By						
822	Vat brilliant orange FR pdr. (ss)-By	1,160					
824	Vat orange GRTK pdr. (ss)-By	40					
870	Vat corinth RK paste-By	400					
834	Vat gray K pdr. (ss)-By	280					
833	Vat olive IR pdr. (ss)-M						
833	Vat olive R paste-By	2,635					
	Helindone brown IR paste-M						
	Vat brown R paste-B	4,927					
	Vat brown B paste-M						
	Helindone brown IG pdr. (ss)-M						
	Vat brown G paste-B						
	Vat brown G paste-By	7,898					
	Vat brown G paste-M						
	Vat brown G pdr. (ss)-By						
825	Algal red R pdr. (ss)-By	89					
831	Vat red RK paste-B	551					
832	Vat violet BN extra pdr. (ss)-B	816					
702	Cibacene orange B pdr. (ss)-I	2,662					
702	Cibacene orange B pdr. (ss)-I						
876	Indigol-By	661					
876	Indigol-0-DH						
881	Brilliant indigo 4B Paste-B	5,091					
883	Indigo GB pdr. (ss)-M	1,000					
890	Ciba yellow G paste-I	551					
891	Ciba green G paste-I	551					
895	Alizarin indigo 3B paste-By	400					
894	Alizarin indigo B paste-By	10					
912	Anthra red B paste-B	2,094					
912	Ciba pink B paste-I						
919	Ciba Bordeaux B pdr. (ss)-I	4,410					
910	Thiolindigo pink BN extra paste-K	1,060					
918	Vat red 3B paste-I						
918	Vat red 3B paste-B	3,976					
918	Vat red 3B paste-M						
918	Vat red 3B paste-B						
913	Hydron orange RF paste-C	3,000					
913	Hydron orange RF pdr.-C						
901	Ciba violet B paste-I						
901	Ciba violet B pdr. (ss)-I	37,472					
901	Ciba violet R paste-I						
907	Ciba scarlet G extra paste-I						
907	Thiolindigo scarlet 2G paste-K	8,930					
908	Ciba red B paste-I						
907	Vat scarlet 2G paste-B	2,535					
911	Ciba orange G paste-I	661					

Quantity Pounds	Dye and Maker	Quantity Pounds
10	Chlorantine fast yellow 4 GL-I	1,763
104	Chlorazol fast helle BK-BD	104
500	Chlorazol fast orange AG-BD	500
500	Cotonol A extra-A	500
440	Developed blue 4 GL extra pdr.-By	440
110	Developed brilliant scarlet 2 BL pdr.-By	110
10	Diamine azo fast bordeaux B-C	10
10	Diamine azo fast green G-C	10
230	Diamine azo fast violet R-C	230
420	Diamine catechine B-C	420
150	Diamine catechine 3 G-C	150
200	Diamine fast brown GB-C	200
10	Diamine fast brown 3G-C	10
1,500	Diamine fast orange FK-C	1,500
10	Diamine fast rose G-C	10
10	Diamine fast red violet FR-C	10
10	Diamine fast rubine FP-C	10
250	Diamine fast yellow AGG-C	250
882	Diaminogene GG-C	882
200	Diaminogen CG-M	200
100	Diazand pink B-M	100
100	Diaz fast green GF-By	100
3,207	Diaz geranine B extra-By	3,207
1,102	Diazophenyl black V-G	1,102
2,205	Diphenyl fast brown GNC-C	2,205
440	Diphenyl fast gray BC-G	440
2,205	Diphenyl catechine D supra-G	2,205
227	Direct fast brown 3 GL-By	227
1,000	Direct fast violet B pdr.-By	1,000
100	Fast cotton gray BL-A	100
50	Half-wool blue 3 R-By	50
200	Naphthamine light brown 2 G-K	200
5	Pluto black G-By	5
661	Rosanthrene RN-U	661
1,213	Rosanthrene orange R-I	1,213
220	Rosanthrene fast red 7 BL-I	220
500	Zambel black F-A	500
Dyes for Artificial Silks		
20	Azordine RR, S-C	20
100	Celatine black-SD	100
50	Celatine blue-SD	50
50	Celatine brilliant violet B-SD	50
50	Celatine orange-SD	50
50	Celatine red-SD	50
50	Celatine red-violet-SD	50
50	Celatine yellow-SD	50
114	Duranol orange G paste-BD	114
114	Duranol red BB paste-BD	114
172	Duranol red G paste-BD	172
900	S R A blue IV-Q	900
Rapid Fast Dyes		
100	Rapid fast blue B pdr.-A	100
500	Rapid fast bordeaux R paste-By	500
500	Rapid fast brown 3G-By	500
500	Rapid fast red B paste-By	500
500	Rapid fast red BB paste-By	500
500	Rapid fast red GL paste-By	500
400	Rapid fast red RG paste-By	400
Sulfur Dyes		
9,000	Cross dye green B-BD	9,000
500	Sulfur brilliant blue CLB-A	500
950	Thiochrome black 3A extra conc.-M	950
170	Thiold brown R-By	170
170	Brilliant acridine orange R conc.-Rob	170
200	Diazine black G-K	200
60	Chrysophosphine 2 G-Roh	60
7,273	Rhodamine 6 GDN extra (single strength)-B	7,273
10	Rhoduline sky line blue 3G-By	10
Color Lake Dyes		
200	Brilliant orange R-A	200
50	Hansa green GS-M	50
110	Thiold brown RL paste-By	110
1,201	Hells bordeaux RL pdr. (ss)-By	1,201
100	Parer fast bordeaux R-By	100
100	Permanent red extra FBR-A	100
100	Permanent red extra FER-A	100
500	Stone rubine BK pdr.-B	500
Unidentified Dyes		
40	Fraise-P	40
45	All other-Q	45
Color-Lakes of Coal-Tar Origin		
220	Alizarin lake 192B	220
110	Madder lake extra pdr.	110
110	Madder lake VN pdr.	110
882	Printing red	882
201	Toner black pdr.	201
	Viridine lake	
Synthetic Aromatic Chemicals of Coal-Tar Origin		
Quantity Pounds	Dye and Country of Origin	Quantity Pounds
5	Acetic aldehyde H-100%	5
150	Acetobenzene G-87% H-33%	150
4	Acetophenone F-100%	4
25	Amyl salicylate G-47% S-35% F-18%	25
220	Anisic aldehyde F-100%	220
2,919	Benzaldehyde G-92% H-8%	2,919
224	Benzyl acetate S-45% H-45% F-10%	224
2,204	Benzyl alcohol G-86% H-14%	2,204
551	(Continued on Page 219.)	551

CAN CHILEAN NITRATE COMPETE WITH SYNTHETIC NITROGEN PRODUCTS?

Demand for Nitrogenous Fertilizers Has Increased Within the Year and Parsons & Petit Think the Market Will Absorb the Synthetic Products Without Seriously Interfering With the Consumption of Nitrate—World's Consumption

The consumption of nitrogenous fertilizers has shown a marked increase during the twelve months just ended and everything points to this expansion in demand continuing, and notwithstanding the increased production of synthetic nitrogen products it is expected a market will be found for the synthetic products without seriously interfering with the consumption of the other articles, say Parsons & Petit, 63 Beaver st., New York, in a report on the market situation. Reductions in the prices of both by-product sulfate of ammonia and German synthetic nitrogen products, varying from 10s to £1-15-0 per ton, have recently been announced, which resulted in a special commission appointed by the Chilean Government unanimously recommending a reduction in the export duty on nitrate by 10s per ton provided the nitrate producers made an equal contribution and lowered their prices by £1-0-0 per ton. While it is unlikely that this reduction can become operative before June 1, 1926, it is a strong indication that Chile is now alive to the increasing competition from other nitrogenous fertilizers, and is no doubt prepared for further sacrifices should the necessity arise. The world's consumption for the past year was 2,340,000 tons against 2,192,000 tons, 2,159,500 and 1,544,000 tons for the three previous years.

The total sales by the Producers' Association (including the Lautaro Co.) for the nitrate year July 6, 1924, to June 30, 1925, amount to about 2,275,000 tons (of which 305,000 tons for June delivery), or about 55 per cent of each oficina's quota, the average price being about 20s 2d per metric quintal. These figures compare with sales July 1, 1923, to June 30, 1924, of 2,095,000 tons (of which 340,000 tons for June delivery) or 51 per cent of each oficina's quota, at an average price of 20s 2½d. Sales by non-associated producers July 1, 1924, to June 30, 1925, amounted to about 100,000 tons against 101,000 tons during the previous year.

It is more difficult than usual to estimate the consumption during the coming year, owing to the reduction in price of sulfate of ammonia and other nitrogen products.

The production of nitrate of soda for the year ended June 30, 1925, compared with the previous year follows:

Production	1925	1924
Exports:	2,372,000	2,185,000
Europe and Egypt	1,292,000	1,066,000
United States	1,101,000	930,000
Other Countries	134,000	145,000
Total	2,527,000	2,141,000
World's Consumption:		
Europe	1,174,000	1,103,000
United States	1,037,000	937,000
Other Countries	139,000	150,000
Total	2,350,000	2,190,000
Visible Supply (Stock and Afloat) at July 1.		
Europe and Egypt	227,000	129,000
United States	115,000	62,000
Other Countries	13,000	19,000
Total	355,000	210,000
Stock in Chile on July 1	838,000	1,024,000

The production of synthetic nitrogen products in Germany for the year just ended is estimated at approximately 360,000 tons of nitrogen, of which 50,000 tons

in the form of by-product sulfate of ammonia, 190,000 tons synthetic sulfate of ammonia, 55,000 tons cyanamide, 15,000 tons nitrate of soda, 5,000 tons nitrate of lime, and 45,000 tons in other products. It is estimated that 290,000 tons was consumed in Germany and 70,000 tons exported of which about one-third went to the United States. During the coming year production is expected to increase by over 60,000 tons, a large proportion of which is likely to be exported.

CHEMICAL EXPOSITION DINNER PLANNED

A chemical industry dinner with twelve hundred in attendance and with General Pershing as the chief speaker, is to be held in New York during the week of the Chemical Exposition, Sept. 28 to Oct. 3. The Chemical Warfare Service Association, of which Dr. Charles H. Herty is president, has inaugurated the movement and has sent invitations to other chemical associations to join with the Chemical Warfare Service group. Dr. Frederick Zinsser is chairman of the committee in charge of the preparations. It is believed that the Salesmen's Association of the American Chemical Industry, which has held invitation dinners at previous expositions, the Chemist's Club, the local section of the American Chemical Society, and numerous other organizations will join with the Chemical Warfare Service Association in the banquet plans. Very probably one of the Pershing Square Hotels will be the scene of the dinner, possibly the Hotel Commodore because of its proximity to the Grand Central Palace where the Chemical Exposition will be held.

MAKING POTASH FROM CANNERY WASTE

Mason By-Products Co. of Sausalito, Cal., has perfected a process for extracting potash from cannery waste. Potash is now being turned out in carload lots, says John Mason, president of the company. During the war the company made potash for the War Department from molasses waste, but the process used by the Company was too expensive to be worked profitably in peace time. By the new process the residue from fruits is transformed into a liquid and atomized, alcohol and other by-products being obtained, as well as potash. During the year Mason By-Products Co. has handled 80,000 tons of raisins and the company is credited with turning out one-tenth of all the alcohol made in the United States.

CHEMISTS DISCUSS NEW DYE EFFECTS

The Southern Section of the American Association of Textile Chemists, which met at Asheville, N. C., last week, discussed novel effects in dyes produced in Southern textile mills. One topic was "The Reduction of Vat Colors Including Indigo" presented by Malcolm MacKenzie, of the Cramerton Mills, Inc., and the other was "Multicolored Effects on Hosiery," presented by Joseph H. Zens, of the United Hosiery Mills Corporation, of Chattanooga, Tenn. H. M. Chase, Danville, Va., presided. Charles H. Stone, Charlotte, was in charge of arrangements.

Walter Burke has withdrawn as partner in the firm of Thomas F. Turull & Co., 140 Liberty st., New York, importers and exporters, and is resting at his home in Fairlawn, N. J. The firm was established in 1911 with offices in New York and Havana, Cuba, and deals in industrial chemicals, naval stores, glues, disinfectants, essences and colors.

The Heavy Chemical Market

Chemical Current Spot Quotations for Heavy pages 234-252

IMPORTED SODIUM SULFIDE DECLINES

Sodium Prussiate Lower—Sodium Acetate Easier—
—New Schedule for Imported Caustic Potash—Copper Sulfate Easy—Barium Salts Unchanged—Bichromates Steady—Chlorates Firm and Active—Bleach and Chlorine Firm—Sodium Nitrate Unchanged

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced		Declined	
No Advances			
Sodium Acetate, $\frac{1}{4}$ c lb.		Sodium Prussiate, $\frac{1}{4}$ c lb.	
		Sodium Sulfide, Imp. $\frac{1}{4}$ c lb.	

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acetic Acid, Glacial .lb.	\$.10	\$.10	\$.10	\$.11	\$.19 $\frac{1}{2}$	\$.07
Sulfuric Acid, 66 deg. ton	14.00	14.00	14.00	14.00	55.00	30.00
Ammonium Sulfate, 100lbs.	2.75	2.75	2.75	2.50	7.50	2.65
Bleaching Powder, 100lbs.	1.90	1.90	1.90	1.90	9.50	1.80
Copper Sulfate, c/l 100lbs.	4.30	4.30	4.30	4.40	20.00	4.50
Potash, Caustic, Imp. .lb.	.07 $\frac{1}{4}$	.07 $\frac{1}{4}$	.07 $\frac{1}{4}$	.06 $\frac{3}{4}$	.27	.06
Soda Ash, 58 p.c. 100lbs.	1.94	1.94	1.94	1.94	3.50	.60
Caustic Soda, 76 p.c. 100lbs.	3.66	3.66	3.66	3.66	9.50	1.42
Potassium Bichromate lb.	.08 $\frac{1}{2}$	.08 $\frac{1}{2}$	.08 $\frac{1}{2}$	.09 $\frac{1}{2}$	.65	.06 $\frac{1}{2}$
Sodium Prussiate, Imp. ..	.10 $\frac{1}{2}$	.10 $\frac{1}{2}$	.10 $\frac{1}{2}$	.09 $\frac{1}{2}$	1.25	.18
Average	2.891	2.891	2.891	2.886	10.79	2.99

The movement of the general line of heavy chemicals into consuming channels is entirely satisfactory from the viewpoint of domestic manufacturers who report steady withdrawals against resting contracts. The local spot market is very quiet and factors are reporting only a slight demand. Prices are being maintained in practically all quarters on the entire list, although no recovery from present low levels appears probable owing to the large number of factors who continue in possession of spot or shipment goods which are unsold. Imported barium salts, formic acid, arsenic, glauher's salt and epsom salt remain weak for this reason. Spot stocks of white ammonium chloride are gradually becoming smaller and supplies at the present time are in firmer hands, and recent low prices cannot be done in many instances. Sodium prussiate has eased off owing to the arrival of imported material which has been offered at lower prices. Sodium acetate is lower owing to large stocks. While domestic sodium sulfide is firm at unchanged quotations, some imported material is offered at lower prices. The new schedule for less than carlot shipments of imported caustic potash is announced.

Acid Formic—Low-priced sellers continue to depress the spot market and 90% material is held at 10 $\frac{1}{2}$ c@10 $\frac{1}{4}$ c lb. Shipment prices have shown no change and the position of the product is unchanged.

Acid Lactic—Steady demand reported and makers are firm in their quotations which show no variation on any grade.

Acid Oxalic—Firm condition continues and imported material is held at 11c lb., while domestic is available at 10 $\frac{1}{4}$ c@11c lb.

Alum Potash—Market very firm and imported material is not obtainable in any direction under 2 $\frac{3}{4}$ c@3c lb. as to quantity and seller. Domestic manufacturers are unchanged in their quotations.

Aluminum Sulfate—Situation shows no change and domestic iron-free is moving freely at \$2.00 100 lb.; and imported is quoted at \$1.70 100 lb. Commercial material is firm at \$1.40 100 lb. at works.

Arsenic—Interest at a standstill and quotations are unchanged although this is no indication that the market is firm. Recent low prices could probably be repeated on a firm offer.

Barium Salts—Chloride remains at recent low levels although in some directions domestic makers are reporting a heavy movement and a lack of stocks on hand. An upward tendency is present in the situation and substantially higher prices would not be at all unlikely before a month is up. At present quotations barium chloride is lower than at any time since 1914. Barium carbonate is unchanged and recent low prices are still being done.

Bleaches—Bleach is firm in all directions and no excess material is to be found. Chlorine consumption is large and makers report a very steady condition.

Copper Sulfate—Market remains in an easy condition although consumption is of fair volume. While quotations are unchanged by large producers, material is still offered in some quarters at \$4.30 100 lb.

Epsom Salt—Imported technical is obtainable at recent low figures. Domestic material moving at firm unchanged prices.

Glauber's Salt—Domestic material is in a firm condition. Imported material is obtainable at 80c 100 lb. on spot, and at 70c 100 lb. for shipment.

Potash Caustic—New schedule for imported material in less than carlots is as follows: for 10 drums and over 7 $\frac{1}{4}$ c lb. ex-store; and 7 $\frac{3}{4}$ c lb. f.o.b. cars; for nine drums and less 7 $\frac{3}{4}$ c lb. ex-store; and 7 $\frac{1}{4}$ c lb. f.o.b. cars. Carlots remain at 7 $\frac{1}{4}$ c lb. Domestic quotations are unchanged.

Potassium Bichromate—Market steady and prices show no change in any direction.

Potassium Chlorate—Domestic and imported material in active demand and prices are firm and unchanged.

Sodium Acetate—Market easier and prices have been shaded to 4 $\frac{3}{4}$ c@5c lb.

Sodium Bichromate—Makers are maintaining their prices in all transactions and report a heavy movement of supplies.

Sodium Bisulfite—Quotations are being steadily maintained in all quarters and a fair demand is reported. Imported material is offered at 3 $\frac{1}{2}$ c lb.

Sodium Nitrate—Quotations remain at \$2.46 100 lb. for spot and July shipment; at \$2.48 for August shipment; and \$2.50 for April.

Sodium Prussiate—Domestic makers have lowered their quotations to 10 $\frac{1}{2}$ c@10 $\frac{3}{4}$ c lb. owing to some competition from very recent arrivals of imported material.

DRUG & CHEMICAL MARKETS

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Sodium Sulfide—Domestic makers are firm in their quotations and report no excess supplies of any grade. Imported material is offered at lower prices of $2\frac{1}{4}$ lb. for 30% crystals, and $3\frac{1}{2}$ lb. for 60% solid material.

Tin Salts—Makers report a steady demand at recent prices for July shipment. The present position of the tin market indicates higher prices for the coming month.

Zinc Chloride—Easy condition continues and shading of $7\frac{1}{2}$ lb. on imported material appears very likely due to the large stocks on hand and the slight interest being displayed at the present in that product.

Asbestos Co. of Canada has withdrawn from the negotiations which have been going on for several weeks to consolidate seven large asbestos companies. The remaining six companies are carrying on negotiations. The financing of the proposed consolidation is being arranged by Dillon, Read & Co. If the six companies come to an agreement, the new combination will deal directly with the stockholders of Asbestos Co. of Canada and request them to override the decision of the directors in withdrawing from the combination.

Industrial Alcohol and Chemical Co. has changed its name to Publicker Commercial Co. of Delaware. The headquarters of the company are in Philadelphia.

A total of 6,803,115 short tons of salt, valued at \$25,838,348, was sold or used by producers in the United States in 1924, according to the Bureau of Mines, Department of Commerce. New York ranked first among the salt-producing states, its output amounting to 1,972,808 short tons; Michigan, with a production of 1,918,463 tons, was second; Ohio, with a production of 1,102,214 tons, ranked third. The other principal salt-producing states were Kansas, with an output of 794,303 short tons; Louisiana, with 383,104 tons; and California, with 268,112 tons.

Synthetic Ammonia & Nitrates, Ltd., which has been guaranteed £2,000,000 additional capital by the Trade Facilities Act, is to greatly extend its operations at Stockton-on-Tees. The plant for the manufacture of ammonia from the air will be increased to five times its present size, and the production will reach 800 tons daily against 120 tons at present. This company is a subsidiary of Brunner, Mond & Co.

International Match Co., New York, a Swedish-American concern, has been awarded a monopoly to manufacture all of Poland's supply of matches. A bill passed by the Parliament creates a monopoly which will be leased to the American company for 20 years.

J. F. Wischhusen of Superfos Co., New York, sailed July 9, on the S. S. Dottringholm for Sweden. Mr. Wischhusen will spend about two months in Europe visiting business connections in Sweden, Germany, England, and other countries in Europe.

W. J. N. Woolcock, president of the British Society of Chemical Industry, said in a recent address at Leeds, England, that the United States had taken the lead in post-war development of dyes.

Sunshine Soda Co., Inc., New York, has been awarded government contracts for 10,000 lbs. soda ash at 1.815c lb., and 30,000 lbs. washing soda at 1.735c.

Alexander Joseph, president of Pfeiffer Color Co., Newark, N. J., sails on July 28 for a business trip to Europe.

The steamship Bockenheim left Hamburg recently for Jacksonville, Fla., with a cargo of potash.

OUTPUT OF SODIUM COMPOUNDS INCREASES

Production of sodium compounds, not including common salt, from natural salines and brines, in the United States in 1924 amounted to 76,420 short tons, valued at \$1,825,850, it is announced by the Bureau of Mines, Department of Commerce. These figures show an increase of 29 per cent in quantity and of 3 per cent in value over 1923. They cover the output of sodium carbonate, bicarbonate, sulfate, trona, and borate in various forms. Sodium carbonate (soda ash) and sodium bicarbonate were produced from Owens Lake by Inyo Chemical Co., at Cartago, and Natural Soda Products Co., at Keeler, Calif. There was an increase in the sales of each of these products as reported in 1924, but a decrease in average value a ton.

Hydrated sodium carbonate (sal soda) was produced by Wyoming Soda Products Co., at Green River, Sweetwater County, Wyoming. Sodium sulfate (salt cake) was produced at Clarkdale (P. O. Camp Verde), Yavapai County, Ariz., by Western Chemicals, Inc.; near McKittrick, Calif., by Pacific Distributing Corp. of Nevada; and at Wabuska, Nev., by George Elder. The properties at Clarkdale, Ariz., and Wabuska, Nev., were producing for the first time in 1924. Hydrated sodium sulfate (Glauber's salt) was produced at Casper, Wyo., by D. W. Gill. Trona, a double salt of sodium carbonate and sodium bicarbonate, was produced by Natural Soda Products Co., at Keeler (Owens Lake), and by American Trona Corp., at Trona (Searles Lake), Calif.

The output of boron minerals in 1924 amounted to 116,110 tons, valued at \$3,183,970, compared with 136,650 short tons, valued at \$3,994,790 in 1923. These include borax (sodium borate) produced at the plant of American Trona Corp., Trona, Calif., and colemanite (calcium borate) mined at Death Valley Junction and Lang, Calif., by Pacific Coast Borax Co.; at Muroc, Calif., by Suckow Chemical Co.; at Las Vegas, Nev., by Westend Chemical Co.; and at Moapa, Nev., by American Borax Co.

It is reported that the exploitation of deposits of sodium salts may soon be undertaken near Tonopah, Nev., Salt Lake, Utah, and in Oklahoma County, Washington.

MATHIESON ALKALI EARNINGS LARGER

Mathieson Alkali Works, Inc., for the quarter ended June 30, reports earnings of \$587,975 against \$410,119 last year, and net income of \$377,750 against \$235,624, after reserves for depreciation, depletion and taxes. The net for the quarter, after preferred dividend requirements, was equal to \$2.32 each on the 141,257 shares of no par common stock outstanding. In the June quarter last year net income was \$1.57 a share on the common stock.

For the first half of 1925 the company reports total earnings of \$1,174,763 against \$646,754, and net income of \$753,403 against \$317,742, after similar deductions. The net income for the half year was equal to \$4.64 a share on the common stock, against \$1.85 a share in 1924.

Niacet Chemical Corp., recently organized to manufacture synthetic acetic acid in this country, has purchased a ten-acre plot at Pine ave. and Union st., Niagara Falls, and will erect a plant estimated to cost \$250,000. The property was formerly owned by Niagara Falls Power Co. W. C. Hovey, at present with Carbide & Carbon Chemical Corp., will be resident manager.

Samuel Lewis has been awarded a government contract for 1,000 pounds of chloride of lime at 8c lb.

INDUSTRIAL CHEMICAL SECTION

The Intermediate and Dye Market

Current Spot Quotations for Intermediates, see Chemicals pages 234-252

SHARP REDUCTIONS IN INTERMEDIATES

Leading Makers Meet Price-Cutting—Gamma and N & W Acids Down—Meta-Toluylenediamine Cut—Para-Nitrotoluene and Para-Toluidine Reduced—Benzene Strong—Other Light Oils Unchanged—Pyridine Very Strong—Phenol Still Shaded

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced		No Advances		Declined	
Acid Gamma, 10c lb.		Meta-Toluylenediamine 4c lb.			
Acid N & W, 5c lb.		Para-Nitrotoluene, 3c lb.			
		Para-Toluidine, 4c lb.			

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Benzene, pure .....	.25	.25	.25	\$.24 1/2	\$1.10	\$.25
Naphthalene flake ....lb.	.05	.05	.05	.05 1/4	.16	.03
Phenol Spot .....	.24	.24	.24	.26	1.50	.08
Phenol Spot .....	.23	.23	.24	.25	1.50	.08
Aniline Oil .....	.16	.16	.16	.16	1.40	.10 1/2
Ortho-nitroaniline .....	.9c	.9c	.9c	.9c	1.28	—
Benzaldehyde .....	.70	.70	.70	.70	—	—
Betanaphthol .....	.24	.24	.24	.26	1.50	.08
Dimethylaniline .....	.32	.32	.32	.36	1.30	..
Paranitroaniline .....	.58 1/2	.58 1/2	.58 1/2	.68	1.58	.18
Average .....	.315	.315	.316	.332	..	..

Several rather sharp and important reductions in prices of intermediates were announced during the week, due to price cutting that has been present in the market for some time in some directions. Stocks of several intermediates have been large and there was no apparent outlet. Whether or not the lower prices will increase the consumption remains to be seen. The demand for intermediates from dyemakers remains of small volume and the market is spotty. However, a noticeable increase in orders is reported for the week. Rubber accelerator manufacture continues to constitute the greater part of operations among intermediate makers.

Demand for benzene has shown no abatement and distributors are still unable to fill all spot orders. Consumers of motor benzene are bidding prices above the prevailing quotations for pure products. The market for gasoline is again in a firm condition. Other light oils are firm and unchanged. Pyridine still possesses strong upward tendencies. Phenol is obtainable at last week's reduction. Naphthalene and cresylic acid are fairly steady but the demand is not heavy and stocks are large.

Crudes

Benzene—Heavy demand reported for motor benzene and the pure products are in a very strong position on this account. While the demand for pure and 90% is not more than normal, the bidding for supplies of motor benzene at prices above pure quotations causes a shortage in all directions. Quotations remain at 24c gal. for 90% in tanks at ovens; 25c gal. for pure in tanks at ovens. Drum lots are quoted at 5c advance over tank prices.

Cresylic Acid—Situation unchanged and large stocks remain in firm hands under a fair demand.

Naphthalene—No apparent increase in demand re-

ported and makers are still in possession of large stocks. Quotations remain at recent figures in all quarters.

Phenol—While most makers continue to quote unchanged prices of 23c@24c lb., material is still obtainable at 22c lb. in large drums, drums extra; and 23c lb. in small drums, drums included.

Pyridine—Strong market continues due to all supplies being in a few strong hands and high shipment prices discouraging importing for speculation. Holders of spot stocks name \$4.50 gal. drums included, and shipment is firm at \$4.30 gal.

Solvent Naphtha—Steady demand reported by distributors who report no accumulation of supplies. Quotations are unchanged.

Toluene—Heavy demand continues but supplies are of sufficient proportions to satisfy it. Quotations remain at recent figures but the market is firm in all directions.

Xylene—Heavy demand continues but supplies are quotations are firm and unchanged. Production and demand are about balanced.

Intermediates

Acid Cleve's—Market firm in all quarters and a fair demand is reported. Quotations are unchanged.

Acid Gamma—Sharp reduction announced and large makers quote \$1.30@\$1.36 lb. as to quantity. Shading of quoted prices is reported to have been present in the market and that is the cause of the cut.

Acid N & W—Prices lower from makers owing to price-cutting being met. Quotations are now given at 95c@99c lb. as to quality.

Aniline Oil—Market very firm in all directions although makers are reporting only a fair demand during the summer season. Quotations remain at 16c@17c lb.

Meta-phenylenediamine—Easy condition is still reported although prices show no variation in any transactions.

Meta-Toluylenediamine—Makers name lower prices owing to large stocks in some makers' hands. Quotations are now given at 73c@77c lb.

Ortho-nitrotoluene—Situation unchanged and nothing is available from makers except on contract. Manufacturers are still unwilling to take on any additional owing to their inability to move the para salt.

Ortho-toluidine—Quotations nominal and only slight interest is present in the market due to the high prices and the inability to obtain any appreciable amount of material.

Para-nitroaniline—Situation unchanged and makers are competing sharply for business although no variation in price is reported.

Para-nitrotoluene—Quotations lowered by makers owing to large stocks on hand and light demand. Manufacturers now quote 35c@37c lb. as to quantity.

Para-toluidine—Manufacturers are now offering material at 65c@69c lb. as to quantity. The large stocks that have been in makers' hands for some time past, and the slight demand are responsible for the reduction.

BACTERIOLOGICAL STAINS IMPORTED IN SIX MONTHS EQUAL 48,982 GRAMS

Germany Sent 95 Per Cent of the Stains and England Five Per Cent—Of the Reagents Imported Germany Was the Origin of 99 Per Cent—Dutiable Under the Tariff Act of 1922

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., July 22—Imports of bacteriological stains through the port of New York from January to June, 1925, amounted to 48,982 grams. Im-

ports of reagents and fine organic chemicals of coal tar origin amounted to 5,880 grams. The value of the stains imported was \$3,037, and of reagents and chemicals \$573. Germany sent 95 per cent of the stains and England five per cent. Of the reagents 99 per cent came from Germany and one per cent from England. The list of stains and quantities prepared by the Chemical Division of the Bureau of Foreign and Domestic Commerce and the Chemical Division of the Tariff Commission, is as follows:

Name	Quantity Grams	Name	Quantity Grams	Name	Quantity Grams
Acetin blue	150	China blue	75	Indigo carmine IA	100
Acid alizarin blue	50	Chlorohydrin blue	20	Indigo carmine IA dry	450
Acid alizarin green	100	Chromogen	183	Induline	5
Acid brown	100	Chromotrope R	30	Induline greenish	5
Acid fuchsin	200	Chrysamine	30	Iodoosin (dry)	25
Acid rubin	225	Chrysoidine	133	Janus green	380
Acid violet	100	Cocaine	33	Jenner's stain	180
Acridine orange	50	Coerulein	100	Leishman's stain (dry)	500
Alicarin (dry)	200	Coerulein S	30	Leuco malachite green	20
Alicarin I	325	Congo cerinth G	30	Light green SF	325
Alcarin sulfonate	30	Congo red	250	Lithioncannin	30
Alicarin yellow	50	Congo rubin	130	Magdala red	55
Alkali blue	20	Corallin (water soluble)	225	Malachite green	845
Alkali green	200	Corallin (spirit soluble)	300	Malachite green crystals	380
Aniline blue (water soluble)	400	Cotton blue	130	Metanil yellow IA	100
Aniline blue (spirit soluble)	450	Cresofuchsin	20	Methyl blue	425
Aniline blue black	100	Cresyl blue	175	Methyl eosin	125
Aniline blue orange	225	Cresyl fast violet	75	Methyl green	775
Aniline green	400	Cresyl violet	20	Methyl green OO	606
Aniline sulfate	30	Crocein	30	Methyl green pyromine	153
Aniline violet	100	Crocein F	50	Methyl orange	252
Aniline yellow	80	Crystal violet	120	Methyl red	500
Anthracoene blue	225	Diamond fuchsin	550	Methyl violet	100
Auramine	225	Emerald green	130	Methyl violet B	50
Aurantia	100	Eosin	171	Methyl violet 2B	50
Azure mixture (dry)	980	Eosin (spirit soluble)	4,450	Methyl violet 5B	100
Azure I	5	Eosin azure	57	Methyl violet 6B	675
Azure II	10	Eosin azure II	200	Methylene blue	4,063
Biebrich scarlet	50	Eosin b'n'sh (water soluble)	800	Methylene blue Bx	100
Bismark brown	500	Eosin methylene blue	1,133	Methylene eosin	50
Borax methylene blue	50	Eosin yellow (water soluble)	150	Methylene green	150
Bordeaux R	450	Erythrosin	325	Methylene violet	30
Braslin	20	Ethyl violet	75	Methylene violet BN	50
Brilliant black	30	Fat ponceau	20	Mucicarmine (dry)	100
Brilliant blue extra greenish	20	Fluorescein	425	Naphthol green	50
Brilliant brown	800	Fluorescein potassium	85	Naphthol green B	30
Brilliant cresyl blue	160	Fuchsin basic	100	Naphthol yellow	130
Brilliant green	20	Fuchsin B	500	Naphthylene blue R	30
Brilliant orange	20	Fuchsin F	500	Neutral red	100
Brilliant purple extra	20	Fuchsin S	225	Nile blue hydrochloride	50
Brilliant red	30	Gallein (dry)	5,122	Nile blue sulfate	20
Brilliant violet	20	Genian violet	500	Night blue	750
Brilliant yellow	20	Giemsa stain (dry)	130	Orange G	230
Carbol fuchsin (dry)	30	Gold orange	57	Picrocarmine	30
Carbol gentian violet (dry)	250	Green stain	80	Picrocarmine (dry)	30
Carmin	425	Helianthin	135		
Carmin red TA		Indigo carmine			

(Continued on Page 225)

DYE IMPORTS HEAVIER Continues from Page 214.)

Dye and Country of Origin	Quantity Pounds	Dye and Country of Origin	Quantity Pounds	Name of Chemical	Quantity Pounds
Benzyl benzoate G—84%—S—16%	1,302	Phenylethyl acetate G—100%	10	Past red KB base	500
Benzyl cinnamate G—58%—S—42%	5	Phenylethyl alcohol G—55%—H—27%—F—18%	459	Past red EL base	200
Bismarckine No. 1, No. 2, No. 3, G—100%	3	Phenylethyl cinnamate S—100%	2	Past red salt GL	100
Bromotolyl S—100%	2	Phenylethyl propionate H—100%	25	Past scarlet salt F	400
Benzyl propionate G—100%	44	Vanillin F—100%	9	Past scarlet RC base	200
Cinnamic aldehyde S—100%	20	Yara Yara (b-naphthol methyl ether) H—50%—F—44%	9	Past yellow G C base	1,102
Cinnamyl F—100%	11	Medicinals, Photographic Developers, Intermediates, and Other Chemicals	9	Fluorescein	15
Coumarin F—100%	507	Amidol (diaminophenol hydrochloride)	100	Quinacridone	
Dimethyl benzyl carbazol H—100%	1	Amidopyrrolone	551	Quinacridone methylene blue SC	
Diphenyl methane G—100%	10	Amidopyrrolone	660	Hematin hydrochloride	
Diphenyl oxide F—60%—S—40%	185	Ammonium phenate	3,008	Iodine and salicylate	5
Ethyl cinnamate S—100%	3	Antisal	557	Lithium benzoate	
Gardal H—100%	77	Anthraxanthine acid	2	Methyl p-amidophenol	500
Hellotrope H—62%—G—36%—S—2%	686	Benzole acid	110	Minax developer B	200
Hyacinth G—100%	65	Benzol peroxide	1,084	Monomethyl-p-amidophenol sulfate	112
Iabel F—50%—H—50%	660	Beta naphthol compound	2	Naphthol AS	290
Amidopyrrolone	786	Beta naphthol tech.	110	Naphthol AS-BG	200
Methyl anthranilate S—71%—H—29%	10	Betaoxynaphthol acid	1,084	Naphthol AS-B	1,302
Methyl methyl anthranilate S—100%	345	Cellosane	100	Naphthol AS-G	10,212
Musk ambrette F—64%—H—36%	33	Calcichino salicylate	1	Phenol	12
Musk ketone F—100%	506	Cerberine alcohol	1,105	Phenol solid	2,500
Musk xylene S—100%	790	O-Chlorophenol	80	Phenyl dimethyl amidopyrrolone	880
Neroline (b-naphthol-ethyl ether) G—100%	55	Dimethoxyquinidine	3,000	Phenyl dimethyl amidopyrrolone	440
Orange crystals (Cetone D) S—100%	40	Enesol	100	Quinine salicylate	144
Phenylacetic aldehyde S—66%—H—22%—G—10%—F—2%	227	Epinephrine	3,750	Rapidogen G paste	
		Fast red GL base		Sodium salicylate	
				Shikonic acid benzoate tablets	
				O-Toluidine	11,023

INDUSTRIAL CHEMICAL SECTION

The Oil Market

Current Spot Quotations of Oils, Greases, pages 252-253

UPWARD MOVEMENT IN ANIMAL OILS

Prices Higher on Practically All Oils and Greases—Tallow and Tallow Oil Up—Oleo, Neatsfoot and Lard Oils Higher—Vegetable Oils Firm in Sympathy—Cottonseed Oil Higher—Corn Oil Advances—Palm Oil Very Strong—Linseed Oil Off Slightly—Chinawood and Perilla Oils Easy

PRICE CHANGES IN NEW YORK

(Stocks in First Hands)

Advanced

Corn Oil, Crude, $\frac{3}{4}$ c lb.	Neatsfoot Oil, $\frac{1}{2}$ c to $\frac{3}{4}$ c lb.
Cottonseed Oil, P. S. Y. $\frac{3}{4}$ c lb.	Oleo Oil, $\frac{3}{4}$ c to $\frac{1}{2}$ c lb.
Greases, $\frac{3}{4}$ c to $\frac{1}{2}$ c lb.	Tallow, $\frac{3}{4}$ c lb.
Lard Oil, $\frac{1}{2}$ c to $\frac{3}{4}$ c lb.	Tallow Oil, 1c lb.

Declined

Linseed Oil, 1c gal.

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Cod Oil, N. F. ....gal.	\$62	\$62	\$62	\$60	\$1.26	\$2.26
Degras, American, bbl.lb.	.04	.04	.04	.04	.23	.03
Lard No. 1 ....gal.	.96	.91	.85	.84	2.90	.92
Menhaden, crd. tks...gal.	.55	.55	.55	.40	1.20	.33
Neatsfoot, 20 deg. c.t.gal.	1.22	1.23	1.23	1.46	3.45	.95
Red Oil, distilled ....lb.	.12	.12	.12	.09	.17	.07
Stearic Acid, T. P. ....lb.	.16	.16	.16	.13	.33	.12
Coconut, Ceylon, bbls.lb.	.10	.10	.10	.10	.30	.14
Cottonseed, crude, tanks lb.	.09	.09	.09	.10	.25	.08
Linseed, crude ....gal.	1.00	1.01	1.04	1.00	1.85	.57
Olive, denatured ....gal.	1.15	1.15	1.15	1.21	4.50	1.05
Peanut, refinedlb.	.15	.15	.15	.15	.30	.08
Soya Bean, bbls.lb.	.13	.13	.13	.12	.19	.07

Average	4.86	4.83	4.80	4.82	5.92	1.56
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A broad upward movement in animal oils and greases which carried some of the vegetable oils with it and firmed up those that did not advance, brought an interesting situation into the fixed oil market during the week. Prices on animal products have been high for some time, and factors who have been complaining that business has been quiet have anticipated a decline rather than an advance. But makers of these products report a sustained demand that is shortening the stocks of practically all their products and they feel that consumers will pay more money without halting buying. Prime summer yellow cottonseed oil is higher and quite firm, also corn oil owing to the strong animal oil market. Palm oil maintains a very strong position. Reports from abroad indicate that still higher prices will be in force here soon. Corn oil has advanced again. Olive oil foots are higher for shipment due to higher values for the lira through October. The spot situation shows only a slight improvement. Linseed oil is lower owing to declines in the seed markets and buying remains slight. Chinawood oil in free supply on spot, but prices are being fairly well maintained. Other vegetable oils are unchanged as regards price. Their positions are very firm instead of just steady as they have been for some time past.

Vegetable Oils

Castor Oil—Makers report absolutely no improvement and stocks are large in most quarters with com-

petition quite sharp. Prices are barely steady at recent reduction.

Chinawood Oil—Market quiet and stocks are more than ample. Prices, however, are being maintained at close to last week's quotations. The Oriental situation is still unsettled.

Coconut Oil—Quotations firm at last week's advance and holders report a fair movement of supplies into consuming channels.

Corn Oil—Crude oil is higher and quotations are given at 10c lb. Refined oil is firm and unchanged.

Cottonseed Oil—Crude very quiet at $\frac{3}{4}$ c lb. Prime summer yellow is higher at $\frac{1}{2}$ c lb. for July shipment. Other positions are also higher and opening prices this week were: Aug. $\frac{1}{2}$ c lb.; Sept. $\frac{1}{4}$ c lb.; Oct. $\frac{1}{2}$ c lb.; Nov. $\frac{1}{4}$ c lb.; Dec. $\frac{1}{4}$ c lb.; Jan. $\frac{1}{4}$ c lb.; Feb. $\frac{1}{4}$ c lb.

Linseed Oil—Quiet condition reported and prices have eased off slightly due to declines in seed markets. Crushers name \$1.00-gal. for carloads of bbls. on spot or for shipment to Oct. Oct.-Apr. oil is offered at 98c gal. Tanks are offered at 6c gal. under these prices. Seed markets are all lower for positions up to Dec. Opening quotations this week were: Winnipeg, July \$2.23 $\frac{1}{2}$; Oct. \$2.23; Dec. \$2.18 $\frac{3}{4}$; Duluth, July \$2.53 $\frac{3}{4}$; Sept. \$2.52; Oct. \$2.51; Minneapolis, July \$2.53; Sept. \$2.47 $\frac{1}{2}$; Buenos Aires, Aug. \$2.08 $\frac{3}{4}$. London quotes linseed oil at 42s 3d per 112 lb.; and Antwerp quotes 422f per 100 kilos.

Olive Oil—Market only fairly steady and oil continues to change hands in some quarters as low as \$1.12 gal. although leading importers name \$1.14@ \$1.19 gal.

Olive Oil Foots—Spot market remains weak and shading of quotations of $\frac{3}{4}$ c@ $\frac{8}{4}$ c lb. is possible. Shipment is higher at $\frac{3}{4}$ c lb. due to the firmness of the lira of which no advantageous buy can be made through October.

Palm Oil—Market very strong and higher prices are not at all unlikely.

Palm Kernel Oil—Prices are firm in all quarters and a fair demand is reported.

Soya Bean Oil—Prices steady although stocks are of generous proportions and consuming interest is far from active.

Animal Oils

Greases—Higher prices quoted by makers for all grades due to a continued movement of supplies. Choice white is quoted at $\frac{1}{4}$ c@ $\frac{1}{4}$ c lb.; yellow at 9c lb.; brown at $\frac{3}{4}$ c; house at $\frac{7}{8}$ c lb.

Lard Oil—All grades quoted higher by manufacturers owing to heavy demand and shortage of stocks. Quotations are named at: edibut prime $\frac{2}{3}$ c lb.; off prime $\frac{1}{3}$ c lb.; extra $\frac{1}{4}$ c lb.; extra No. 1 $\frac{1}{4}$ c lb.; No. 1 $\frac{1}{3}$ c lb.; No. 2 $\frac{1}{3}$ c lb.

Neatsfoot Oil—Quotations advanced on all grades except 20° c. t. which holds firm at $\frac{1}{2}$ c lb. Makers quote pure at 15c lb.; extra at 14c lb.; and No. 1 at $\frac{1}{3}$ c lb.

Red Oil—Makers report only a fair-sized routine demand and quote firm unchanged prices for both distilled and saponified products.

Stearic Acid—Slight consuming demand reported and the market is quite easy. Quotations are unchanged in all quarters for all grades.

Tallow—Strong market reported for city extra and quotations have been advanced to 9 $\frac{3}{4}$ c@9 $\frac{1}{2}$ c lb. for loose. Edible material remains firm at recent advance to 11c lb. owing to a scarcity of supplies.

Tallow Oil—Quotations advanced by manufacturers who name 12c lb. for tank lots, and 13 $\frac{3}{4}$ c lb. for barrels.

Hybosol, a new high boiling solvent which is manufactured by Consolidated Color & Chemical Co., 122 Hudson st., New York, is recommended for improving varnishes as well as for use in nitro-cellulose lacquers. Varnishes made with this product are said to produce a film without bubbles, which is practically unaffected by external influences, and does not whiten on the surface. When used in lacquers it adds cleanness and smoothness to the product, even when added in small proportions. Because of the high solvent power of this product, large proportions of a cheap diluent can be used with it and the cost of the lacquer materially reduced. It is a water-white liquid, free from chlorine, alcohols, aldehydes or other impurities which have a deleterious effect upon varnish films. It is non-burning and not injurious to health.

Cottonseed crushed during the eleven month period, Aug. 1 to June 30, totaled 4,574,730 tons, compared with 3,285,462 tons for the same period a year ago, and cottonseed on hand at mills June 30 totaled 28,502 tons, compared with 29,053 tons a year ago, the Census Bureau announces. Crude oil produced 1,390,849,631 pounds, compared with 972,459,080, and on hand 22,668,849 pounds. Refined oil produced 1,247,480,063 pounds, compared with 837,774,178 and on hand 266,931,079 pounds, compared with 172,987,543.

Savannah continues to lead as the principal market for naval stores as shown by the following figures: Receipts at Savannah to June 30, 1925, rosins 135,709 bbls., against 114,701 bbls. for 1924; turpentine for 1925 45,245 bbls., against 40,749 bbls. for 1924. Jacksonville receipts of rosins for 1925 were 113,045 bbls., against 126,327 bbls. for 1924. Turpentine receipts totaled 34,526 bbls. for 1925, against 37,203 bbls. for 1924.

The Paint, Oil and Varnish Group of Greater New York contributed \$523.75 to the total of \$375,000 contributed by New York to the 1925 Home Service appeal of the Salvation Army. Caspar Smith of Smith Chemical & Color Co., who was in charge of the work for that group has received a letter from Brig. Edward B. Underwood, thanking him for his services in the campaign.

Ford Motor Co. laboratories are reported to have developed a new machine process for harvesting the flaxseed which will be raised under contract for the company by farmers of Michigan and Wisconsin. It is claimed that in the deseeding operation the flaxseed will be saved by means of a comb. This seed is to be used for the manufacture of a by-product.

Flaxseed production in Canada, according to the Dominion Bureau of Statistics, will reach 10,480,000 bushels for 1925. This is an increase of 8.3 per cent over 1924 when 9,675,000 bushels were raised.

Sixteen of the twenty-three bean oil factories in Harbin, Manchuria, have suspended operations owing to the advance in soya beans.

FRANCE SHORT OF ROSIN

Available Supplies Quickly Taken Up—Foreign Buyers Active in French Market

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Paris, France, July 11—The official quotation on essence of turpentine is now 620 francs per 100 kilograms, and a few transactions are taking place at this figure. Business is fairly normal, but buyers seem to hesitate. Exports of turpentine during May showed a heavy increase over those of the same month of 1924, reaching 1,040 tons against 208.

Among the dry products, little change is to be noted. Rosin has, however, enjoyed a larger market. Supplies of rosin were running very short, but producers have agreed to place greater quantities on the market. Available supplies will be quickly taken up. Foreign purchasers of the intermediary grades are very active. Italy took 500 tons in May, this year, against 900 tons last year and as the June figures are likely to show an equal falling off, Italy must come into the market for large quantities.

Despite similar decreases in respect to several countries, the total exports in May reached 3,700 tons against 2,600 tons during the corresponding month of 1924. For the first five months of the year this figure amounted to 23,947 tons against 20,220 tons in 1924.

At the time of writing, production is in full and the output is said to be sufficient to meet all demands. Expert opinion seems inclined to consider that there will be a shortage in certain qualities which will eventually force up prices. The latest quotation for rosin is 230 francs per 100 kilograms. The stocks of turpentine in the warehouses at Bordeaux on June 30 amounted to 488,714 kilograms of 2.2046 pounds each.

OLIVE OIL PRICES HIGHER IN ITALY

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Genoa, Italy, July 7—Italian olive oil producers and merchants have taken advantage of the decline in the lira to increase prices, and this has antagonized most of the foreign buyers. Quotations are as follows per 100 kilos:

Riviera Ponente fine new, lire 915 to 920; Bari extra, lire 950 to 960; Bitonto extra, lire 980 to 1,000; Mol-fetta extra lire 980 to 1,000; Calabria extra, lire 925 to 935; Sardegna fine 920 to 930; Toscana fine, lire 925 to 935; Lecca fine, lire 915 to 925; Abruzzi fine, lire 920 to 930; refined olive oil, lire 900 to 920; Umbria super-fine, 1,000 to 1,100.

Quotations for foreign olive oils, c.i.f. Genoa, are as follow per 100 kilos: Tortosa olive oil, pesetas 280 to 285; Aragona olive oil, pesetas 270 to 275; Borjas olive oil, pesetas 270 to 275; Andalusian olive oil, pesetas 245 to 250; Malaga olive oil pesetas 225 to 230; Refined Spanish olive oil, pesetas 245 to 250; Tunis olive oil, first quality, francs 750 to 770; second quality, francs 750 to 770; second quality, francs 690 to 770.

One dollar equals 28 lire; one pound sterling equals 133 lire.

Baltimore Paint and Color Works, Inc., Baltimore, have been ordered by the Federal Trade Commission at Washington to discontinue certain practices in connection with the marketing of its product, which have been found to be unfair methods of competition. The company so labeled its products, the findings state, as to create the impression that the paint was war surplus material and manufactured in accordance with the government specifications. It was further found, the commission declares, that the gallon and a half cans used by the company did not contain full quantities.

Miscellaneous Raw Materials

Heavy Chemicals 234-252, Tan and Dyestuff, 234-252, Fatty Oils 252-253

FEW CHANGES IN RAW MATERIAL PRICES

Dyewood Extracts Steady on Continued High Cost of Woods—Albumens Tend Upward on Statistical Position—Oils and Soaps in Good Demand—Insecticides Materials Weak in Competition

PRICE CHANGES IN NEW YORK (Stock in First Hands)

Advanced

Blood New York, 15c unit	Rosin: B, D 22½c 280 lb.
So. Amer. 5c unit.	E, 25c 280 lb.
Copper, ¼c lb.	F, G, H, I 30c 280 lb.
Lead, ½c lb.	K 7½c 280 lb.
Tin, ¾c lb.	
Turpentine, 1c gal.	
Zinc, ¾c lb.	

Declined

Bone Meal, N. Y., \$1.00	Rosin: M 17½c 280 lb.
Quercichon Ext., sol., ½c lb.	N 12½c 280 lb.
	WG 10c 280 lb.
	Sumac, grd., \$5.00 ton.

Practically no major changes in miscellaneous raw material prices have been noted during the week. The markets are quiet and price levels, as a whole, are fairly well maintained. Materials for textile mills show a firm position except perhaps the general run of intermediates which are sagging as a result of competition. Dyewood extracts are steady as a group owing to the continued high prices ruling for woods both in foreign and domestic markets. The trend in albumens is up-

ward owing to the strong statistical position. A good demand for textiles, oils and soaps is noted, with the former held at very firm prices. In the insecticide list, weakness predominates with demand far under what it should be at this season and prices in sharp competition.

ACCELERATORS

Buying continues of large proportions and prices on all products are firm with the exception of hexamethylene on which shading is reported in certain quarters. Quotations are unchanged with aldehyde ammonia offered at 90c@93c lb.; diortho-tolylguanidine \$1.00@\$1.13 lb.; diphenyl-guanidine 95c@98c lb.; ethyldeneaniline 62c@65c lb.; formaldehyde-aniline 40c@42½c lb.; hexamethylene 80c@82½c lb.; tri-phenyl-guanidine 69c@73c lb.

ALBUMENS

Blood—Prices remain unchanged and firm at 48c@55c with demand not very great.

Egg—Although higher prices are predicted in some quarters, due to the situation in China, from whence most of this product comes, prices are as yet unchanged at \$1.20@\$1.25 lb. for the edible with the technical at 95c@\$1.15.

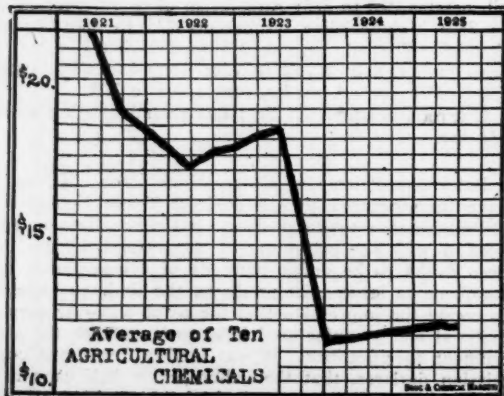
Vegetable—Makers report a fairly active demand with prices unchanged at 60c@65c lb.

CLAYS AND FILLERS

There has been no change in any of the items of

Agricultural Chemicals

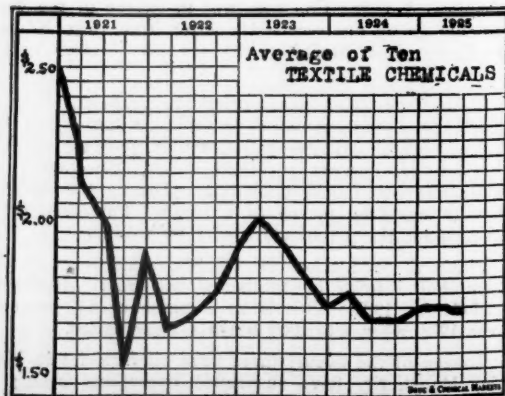
	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acid Sulfuric, 66%.....ton	\$14.00	\$14.70	\$14.00	\$14.00	\$55.00	\$20.00
Ammonium Sulfate, 100lbs.	2.95	2.95	2.95	2.50	1.75	2.65
Arsenic.....lb.	.04	.04	.04	.08	.18	.04
Copper Sulfate.....100lbs.	4.30	4.30	4.40	4.40	20.00	4.30
Paris Green.....	.19	.19	.19	.30	.30	.11
Potash Muriate, 90%.....ton	34.55	34.55	34.55	31.10	440.00	48.07
Potash Sulfate, 90%.....ton	45.85	45.85	45.85	7.50	21.00	15.00
Phosphate, Acid, 16%.....ton	10.10	10.10	10.10	2.25	11.00	3.00
Phosphate Rock, 68%.....	2.50	2.50	2.50	2.25	11.00	3.00
Sodium Nitrate.....100lbs.	2.46	2.46	2.57½	2.37½	5.00	1.90
Average.....	11.694	11.694	11.716	10.570	103.50	13.84



INDUSTRIAL CHEMICAL SECTION

Textile Chemicals

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acid, Acetic, 28%.....	\$3.00	\$3.00	\$3.00	\$3.12	\$17.00	\$1.50
Acid, Oxalic.....	.1094	.1094	.1094	.0994	.70	.07½
Bleaching Powder.....	1.90	1.90	1.90	1.90	9.50	1.50
Copper Sulfate.....	4.30	4.30	4.30	4.40	20.00	4.30
Epsom Salt, U.S.P.....	2.15	2.15	2.15	2.10	4.25	1.40
Glauber's Salt.....	1.25	1.25	1.25	1.20	2.50	.80
Potash, Caustic, Imp.....	.07½	.07½	.07½	.06¾	.87	.12
Soda Ash, 68% wks.....	1.38	1.38	1.38	1.38	1.10	.69
Soda Caustic, 76% wks.....	3.10	3.10	3.10	3.10	9.50	1.80
Sodium Bichromate.....	.06½	.06½	.06½	.07½	.45	.04½
Average.....	1.732	1.732	1.732	1.753	4.800	1.25



INDUSTRIAL CHEMICAL SECTION

this group, all of which are moving into the trade in fairly large volumes in the filling of contracts. Current business is also reported to be fairly active at unchanged prices.

COLORS AND PIGMENTS

Iron blues remain in an easy condition and shading of quotations of 33c@35c lb. is reported. Chrome yellows are moving in fair volume but makers are far from operating to capacity and are quoting prices below the market in some instances; the range of prices starts at 17c lb. Chrome greens are hardly steady in price owing to a lessened demand and quotations 26c@36c lb. for C. P. grades are open to shading. Toners are unchanged and prices are fairly firm. English vermilion is firm at unchanged prices owing to the continued high quicksilver market.

DYE AND TAN WOODS

Little change of any importance has developed in this group, due principally to a very poor demand. Some items continue to move in a routine manner and price changes are few. Divi divi is unchanged at \$53@55 ton, myrobalans are in an uncertain position due to lack of spot stocks which is largely offset by lack of anything like an active demand. Sumac continues lower due to the nearness of new crop. It is now quoted at \$115 ton for the ground although it was a trifle lower than that last week.

EXTRACTS

Archil—Supplies are low but demand is practically non-existent and prices unchanged.

Cutch—No change is seen in this situation with prices steady at former figures.

Hematin—Demand for this item compares favorably with the rest of this group and price is firm at 9c@12c lb. for the paste and 12c@20c for the crystals.

Logwood—This product is in fairly good demand with prices unchanged at 8¼c@8½c lb. for the 51° and the solid at 12c@15c lb.

Osaige Orange—Activity is quiet at unchanged figures.

Quercitron—This extract is easier at 10c@13c lb. for the solid and 6½c@8c for the liquid.

FERTILIZERS

Ammoniates—Demand is active in a quiet way as is to be expected at this season. Price continues firm on account of demand from feeding trades and scarcity in many instances. New York blood has advanced to \$3.90 and 10c unit with South American up to \$4.15, fish scrap is unchanged at \$4.35 f.o.b. works, bone is a trifle easier in New York at \$35.00, tankage is firm at \$3.75 and 10c New York and \$4.25 from South America, and little buying is in evidence in nitrogenous material at \$3.40 c.i.f.

Acid Phosphate—Activity is normal at unchanged price of 60c@65c unit.

Ammonium Sulfate—Manufacturers are not yet ready to announce their new prices. Export goods are quoted at \$2.60 f.a.s. in double bags.

Cyanamid—There has been no change in this item with prices steady at former figures. Imported goods are offered at \$2.00@2.30 delivered according to destination.

Phosphate Rock—Demand is routine with prices unchanged at schedule figures.

Potash Salts—Present prices are guaranteed up to September 15, and these materials are moving in a good way to the trade.

Sodium Nitrate—See Heavy Chemical Market Report.

INSECTICIDES AND FUNGICIDES

Calcium Arsenate—Situation shows no change and makers continue in possession of large stocks. Very slight demand is in sight for the present season. Prices remain at recent low figures and are not likely to go much lower while there is any chance of consumption. After the season is over it is difficult to tell what will happen.

Lead Arsenate—Only slight routine demand reported by makers who continue to name recent low prices.

Paris Green—Movement of supplies is slight and stocks are rather large. However, quotations show no change in any quarter.

METALS

Antimony declined rather sharply over the week and is now obtainable on spot at 16c@16½c lb. Copper has advanced still further and Lake and electrolytic products are quoted at 14¾c@14½c. Lead is higher at 8½c@8¾c lb. at New York, and 8c lb. at East St. Louis. Zinc is slightly higher at 7½c at New York, and 7¼c lb. at East St. Louis. Tin has advanced to 58¾c lb.

NAVAL STORES

Rosins—Medium and common grades remain strong and prices have advanced again. Fine grades are fairly steady at slightly under last week's prices. Quotations are: B, D \$10.27½; E \$10.30; F, G, H, I \$10.35; K \$10.42½; M, N \$10.87½; WG \$13.35; WW \$14.60.

Turpentine—While the market has fluctuated during the week, present prices show a net advance of 1c gal. Holders quote 97c@1.00 gal.

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Savannah, Ga., July 18—Rosins closed firm with prices on practically all grades above last week's closing. An active demand has been felt all week. Early in the week prices declined and this brought so many buyers into the market that prices were immediately bid up higher than before. The present outlook is for further advances and medium and common grades are not expected to go below \$8.50, or fine grades below present values. Quotations are: B \$8.75; D \$8.85@9.15; E, F, G, H, I \$9.00@9.15; K \$9.10@9.20; M \$9.30@9.45; N \$10.35@10.45; WG \$11.80@11.90; WW \$13.00@13.10; X \$13.10@13.20. Receipts for the week totaled 15,538 bbls.; stock today is 106,889 bbls.

Turpentine closed firm at 89½c@89¾c with some lots carried over on bids of 89½c. Buyers appear unwilling to buy heavily at present and this is tending to make the market decline. The market is thought to be quite close to bottom. Receipts were 4,900 bbls.; stock today totals 14,546 bbls.

STARCHES, DEXTRINS AND FILLERS

Amber Sorts—See Crude Drug Market—Arabic Gum.

British Gum—Demand is very slow with prices unchanged at former figures.

Dextrins—The situation in the corn market has brought about a further decline of 15c 100 lb. bringing the price to \$4.52 for the white, \$4.75 for the canary and \$4.82 for the gum. Demand is not very active.

Starches—The recent decline seems to have had no material effect on the market which is not excessively active. The powdered is now offered at \$4.02 per 100 lb., in carlots at works and the pearl at \$3.92.

AGRICULTURAL INSECTICIDE REGULATIONS ARE DISCUSSED BY MANUFACTURERS

Strict Observance of Specifications Approved by Interstate Commerce Commission Urged—Reports of Committees on Statistics, Simplification, Legislation, Standards—Election of Officers

Committee reports were read on statistics, simplification of sizes of containers, legislation, standards, transportation, and the treasurer submitted his report which showed a good balance on hand. R. N. Chipman read the report of the Committee on Transportation and Interstate Commerce. He said the committee had given special attention to the action of the Bureau of Explosives on class B poisons and the package specifications under the act. Mr. Chipman cited several changes made before the final draft was placed before the Interstate Commerce Commission on June 10. He read a letter from Mr. Crass, chairman, class B poisons committee, Manufacturing Chemists' Association, emphasizing the necessity for strict observance of the specifications, when approved by the Interstate Commerce Commission, and the obligations resting upon his association and the Agricultural Insecticide and Fungicide Manufacturers' Association to see that this is done; also, that it would be unfortunate if any manufacturer attempts to get by next season's business with unworthy packages and run into trouble with the carriers. He expressed the belief it would react unfavorably not only upon the delinquent but the whole industry.

Mr. Ansbacher suggested that the committee issue a list of permissible packages and give manufacturers information as to the companies manufacturing such containers. Mr. Chipman stated that when final approval is announced the committee will promulgate it to the industry in general language to serve as a guide to all.

Mr. Pitt was directed to communicate at once with Secretary Heckel, requesting him to interview manufacturers in the Western States regarding co-operation in the work of the committee on statistics and the committee on simplification.

W. H. Simpson, chairman of the Committee on Statistics, called attention to the questionnaire sent out last season by the United States Census Bureau to all manufacturers of agricultural insecticides, asking for data and information so that the bureau could collate it and make it available to all manufacturers in order that the latter might know the general conditions prevailing in their industry.

D. A. Ansbacher, chairman of the Simplification Committee, read a summary of sizes of containers recommended by the committee, as follows:

1. Arsenate of Lead:—Recommended, 100s, 25s, 4s, and 1s; to eliminate, 200s, 50s, 10s, 6s, and $\frac{1}{2}$ s; doubtful, 5s.
2. Calcium Arsenate:—Recommended, 100s, 25s, 4s, and 1s; to eliminate, 200s, 50s, 10s, and $\frac{1}{2}$ s; doubtful, 5s.
3. Paris Green:—Recommended, 300s or 250s (optional), 100s, 14s, 5s, 1s, and $\frac{1}{4}$ s; to eliminate, 56s, 28s, 2s, and $\frac{1}{2}$ s.
4. Bordeaux Mixture:—Recommended, 100s, 25s, 4s, and 1s; to eliminate, 200s, 50s, 10s, and $\frac{1}{2}$ s; doubtful, 5s.

W. H. Rose, chairman of the legislative committee, called attention to the fact that, this being the first year of the committee's existence, its efforts were directed to meeting the conditions immediately con-

fronting the industry. These conditions having been met, the time has arrived, he said, to formulate a constructive plan.

Mr. Chipman pointed out that from the conditions found to exist at the time the committee began its work a constructive policy for the future may be evolved, having in mind the betterment of the entire industry, manufacturers, State, boards, dealers and consumers.

GETS VERDICT ON WAR TIME CONTRACT

Judgment for \$58,013.53 with interest from Oct. 15, 1917, has been ordered by Judge Mahoney in New York Supreme Court against Partola Manufacturing Co. in favor of E. Varagnola of Genoa, Italy, in a suit originally tried in June, 1923, in which the plaintiff sued for \$200,000 for damages sustained as the result of failure on the part of the defendant to fulfill a contract to deliver 1,000 metric tons of caustic soda at Genoa during June, 1917.

Partola Co. failed to ship during June, 1917, and had the time repeatedly extended until finally the plaintiff during September ordered them to ship not later than Oct. 15, 1917. On Sept. 28, 1917, an embargo was declared in this country on caustic soda and the defendant was unable to ship. The court decided that although the extension of time was granted by the plaintiff, he did not waive his rights to damages in event of failure to deliver and kept alive the contract until the defendant was unable to ship due to the embargo.

Of the 1,000 tons called for in the contract, 175 tons were delivered during August, 1917. The damages were arrived at after much expert testimony as to values at that time. The invoice price of the caustic was \$26.50 per 100 kilos. The value on Oct. 15, 1917, of the 825 tons which were undelivered was placed by the court at \$276,638.53 c.i.f. Genoa, and the contract price for this was \$218,265. The difference in price between these is the amount of the damages awarded.

Chemical manufacturers have protested to the Consolidated Classification Committee of the Railroads against a ruling fixing the minimum weight of tank car shipments at 30,000 pounds. The regulation would put small tank cars out of commission. Objection was made also to a rule that tank cars should have attached another placard on each side stating what kind of acid they contain in addition to the two cards now required. It was decided to arrange for all necessary information on one placard to be attached to each side of a tank car.

Texas Gulf Sulphur Co. reports, for the quarter ended June 30, net earnings of \$1,282,284 after reserves for Federal taxes, but before reserves for depreciation, equal to \$2.02 a share earned on the 635,000 shares of capital stock of \$10 a share par value outstanding. In the same quarter last year the company reported net earnings of \$1,181,773, equal to \$1.86 a share on the 650,000 shares outstanding at that time.

Work is well under way in the construction of a new building for Merrimac Chemical Co., at its Everett, Mass., plant. It will be 128 by 74 feet, two stories high and is for the purpose of increasing its production of chemicals for the leather industry.

International Match Corp. is offering 450,000 shares of participating preference stock, non-callable, at \$45 a share. The proceeds will be used by the company to take over the entire match business of the Government of Poland.

GERMANS TO BUILD RAYON PLANT HERE

J. P. Bemberg, Ltd., German rayon manufacturers who are represented in the United States by Wolf, Strauss & Co., New York, will build a rayon plant in the South. A company was incorporated recently at Dover, Del., for \$17,500,000 for the American production under the direction of Verenigte Glanzstoff Fabriken. The German company and J. P. Bemberg, Ltd., are interested mutually in the plant to be built in this country.

Dr. Fritz Bleuthgen, chairman of the Bemberg board; Carl Benrath, a director, and William Langenbruch, managing director, who arrived here recently to swing the deal in the interests of the German houses, have just returned from the South, where a site was decided on.

AMERICAN WOOLEN CO. CUTS WAGES

Employees of American Woolen Co., Lawrence, Mass., have been notified that a ten per cent cut in wages will become effective on Monday next, July 27. A general reduction in mill wages in New England is expected. Wages were reduced ten per cent in Fall River last January, but at that time the American Woolen Co. did not make any reduction in wages at its mills in Lawrence or elsewhere. The cotton mills of Fall River and New Bedford probably will not be affected by the action taken at Lawrence, according to labor leaders.

A new paper company is being formed at Windsor, Vt., by French Canadians to be known as Seveigne Pearl et Cie for the manufacture of a new grade of vegetable parchment paper for wrapping confectionery boxes and general high grade wrapping purposes. The Pearls, father and son, are chemists and have been experimenting for four or five years with the specially treated parchment papers that are manufactured at present only in France. They claim to have discovered a new formula by which a sheet of paper can be made which will endure washing and boiling without destroying its value or strength.

Uncas Paper Board Co., Norwich, Conn., which has been operating under a receivership for six months promises to be able to effect a settlement with its merchandise creditors at about thirty cents on the dollar if the creditors agree to accept an offer for the plant of \$400,000 made by Robert Gair, Alford, Jacobs and Burgess interests is accepted. The interests making the offer for the plant have found the Uncas company a severe competitor and intend to dismantle and dispose of the plant, if their offer is accepted.

VIRGINIA-CAROLINA REORGANIZED

Chemical Co.'s Plan Causes Slump in Its Shares on the Exchanges

Central Union Trust Co., 80 Broadway, New York, will make a cash payment of \$400 per \$1,000 bond upon presentation, on July 21, of the first mortgage twenty-five year 7 per cent sinking fund gold bonds, Series A, of Virginia-Carolina Chemical Co. The payment will be made out of the proceeds of the sale of the stock of Southern Cotton Oil Co., which was controlled by Virginia-Carolina Chemical Co.

The committee representing the bondholders stated that in the case of certificates of deposit bearing the notation of the advance of the instalment of interest due June 1, 1924, a deduction would be made at the rate of \$37.38 per \$1,000 bond from the payment, such deduction to be applied to the repayment of said advance with interest at the rate of 6 per cent from June 3, 1924, to July 1, 1925.

Both the common and the preferred stocks of Virginia-Carolina Chemical Company sold off sharply on the Stock Exchange upon the publication of the proposed terms of reorganization.

The proposed plan of reorganization provides for the entire elimination of the company's funded debt. Holders of the \$24,500,000 first mortgage bonds, it is stated, will receive 50 per cent in cash and 60 per cent in 7 per cent prior preference stock, the additional stock being for the purpose of paying back interest on these bonds. The holders of the \$12,500,000 7 per cent convertible bonds will receive about \$14,000,000 of 6 per cent preferred stock, to cover both bonds and back interest.

In addition to the preferred stock, the new company will have an authorized issue of 500,000 shares of common stock. Holders of the present preferred stock will receive one-half share of new common stock for each share of preferred stock now held, while holders of the present common stock will receive one-fifteenth of a share of new common stock. In addition the common stock holders will be permitted to subscribe for the new common stock at \$10 a share to the extent of 100 per cent of their present holdings.

Natural Products Company, Boston, Mitchel Kaknes, treasurer, manufacturers and distributors of flavoring extracts, reports a surplus of \$14,523 as of December 31. Accounts receivable \$67,059, notes receivable \$11,042, cash \$787, merchandise \$51,367. Accounts payable \$34,133 and notes payable \$18,546. There is a reserve for depreciation of \$5,673. The company is capitalized at \$155,360. It places good will at \$80,000.

BACTERIOLOGICAL STAINS

(Continued from Page 219.)

Name	Quantity Grams	Name	Quantity Grams
Porteau PR	100	Stilbene vital blue	20
Pyronin	150	Sudan III	280
Red stain	227	Sudan III (oil soluble)	500
Kescerine fuchsin	100	Thiazine brown	30
Romarovsky stain	419	Thiazine red	30
Rosanilin base	30	Thionine	1,000
Rosanilin hydrochloride	30	Toison blood fluid	170
Rosanilin sulfate	155	Toluidine blue	250
Rosazurin B	20	Tropaeolin OO	650
Rosazurin G	20	Trypan blue	20
Rose bengal	30	Trypan red	105
Rubin S	125	Uranin	130
Rutherford red	10	Wright's stain	2,625
Safranin	155	Yellow stain	170
Safranin (water soluble)	350	The table includes imports through the port of New York to the amount of 42,137 grams, and also 6,845 grams through the port of Boston.	42,137
Safranin (spirit soluble)	250		
Safranin	150		
Safranin	370		
Scarlet R	113		
Solid green	20		

REAGENTS AND FINE ORGANIC CHEMICALS

Aminoazobenzene	20
Aniline hydrochloride	30

m-Chlorophenol	500
p-Chlorophenol	500
Dimethylamino azobenzene	30
Dimethylaminoazobenzaldehyde	30
Indigo synthetic	2,268
Panchrom mixture	600
Pinachrome blue	10
Pinacryptol green	200
Pinacyanol	25
Pinacyanol blue	10
Pinatype blue F	350
Pinatype brown black M	100
Pinatype complementary red	100
Pinatype red F	350
Pinatype yellow F	350
Resorcin fuchsin iron chloride	125
Sodium alizarin sulfonate	100
Sodium nitrophenyl-propionate	57
Triacid mixture (dry)	125

Bacteriological stains, reagents and fine organic chemicals of coal tar origin are dutiable under paragraphs 27 and 28, of the Tariff Act of 1922.

QUOTATIONS ON CHEMICAL STOCKS

Closing Prices for Week Ending July 18, 1925

Bid	Asked	Bid	Asked
*Air Reduction	103 3/4	104	
*Allied Chem & D.	89 1/2	90 1/2	
*Allied C. & D. pf. 119 1/4		119 3/4	
*Am Ag Ch.	20 1/4	21	
*Am Ag Ch. pf.	62	62 1/2	
*Am. Chicle	50 1/4	50 1/2	
*Am. Chicle, pf.	105	107	
*Am. Cyan.	118	124	
*Am. Cyan, pf.	82	85	
*Am. Druggist, S.	5 1/4	6	
*Am. Glue	47	50	
*Am. Glue, pf.	106	109	
*Am. Linseed	28 1/2	29	
*Am. Linseed, pf.	72	73 1/2	
*Am. Metal	49 1/4	49 3/4	
*Am. Zinc	8 1/4	8 1/2	
*Am. Zinc, pf.	29 1/4	30 1/2	
*Archer Dan. Mid.	36	36 1/2	
*Archer Dan Mid, pf. 89 1/4		96	
*Atlas Powder	49	52	
*By-Prod. Co.	46	49	
*By-Prod. Co., pf.	102	105	
Canad. Ind. Al.	16 1/4	17	
Canad. Salt	105	115	
Cascade	62	66	
Celluloid Co.	23	26	
Celluloid Co. pf.	73	77	
*Certain-teed Prod. 51 1/4		51 1/2	
Charcoal Iron	10	20	
Ches. Mfg.	64	65	
Ches. Mfg. pf.	111	112	
Clark Co., Fred.	2 1/4	4	
Cleve. Cliffs Iron.	70	78	
*Com Solv A.	90	92	
Do B.	90	92 1/2	
*Corn Products	36	36 1/4	
*Corn Products, pf. 122 1/4		125	
*Dawson Chem.	84 1/4	85 1/2	
Dow Chem. no par.	58	65	
Dow Ch., pf.	98	102	
Dow Drug Co.	140	—	
Dow Drug Co., pf.	105	108	
*DuPont, Deb.	99	102	
*DuPont de Nem.	180 1/4	181	
Eastman Kodak	105 1/4	105 3/4	
*Eastman Kodak, pf. 111 1/2		116 1/4	
*Freeport Tex.	16	16 1/4	
*Gen. Asphalt	53 1/4	54	
*Gen. Asphalt, pf.	93	96	
*Gold Dust	38 1/4	39 1/4	
Grasselli	125	130	
Grasselli, pf.	101	108	
Hercules Powder	104	107	
Hercules Powd., pf.	105	107	
Heyden Chem.	17 1/2	—	
Hooker Electro.	12	15	
Hooker Electro, pf.	40	45	
*Household Products. 40 1/4		41 1/4	
*Int. Agricult.	14	14 1/2	
*Int. Agricult., pf.	60	—	
*Int. Nickel, pf.	99 1/2	99 3/4	
*Int. Nickel, pf.	70	75 1/4	
*Mathieson Alk.	80 1/2	82	
*Mathieson Alk., pf. 100		—	
MacAnd & Forbes	150	162	
MacA & Forbes, pf. 99		101	
Merck & Co. pf.	50	65	
Merrimac	84	86	
Mulford Co.	30	33	
*National Lead	148	149	
*National Lead, pf. 116 1/4		119 1/4	
Niag. A., pf.	80	86	
N. J. Zinc	187	189	
Parke, Davis & Co.	99 1/2	—	
Penn Salt	71 1/4	—	
*People Gas. Chi.	116	116 1/2	
Procter & Gamble	124	127	
Procter & Gam., pf. 158		—	
Royal Bkg. Pow.	140	150	
Royal Bkg. Pow., pf. 101		103	
Shawinigan	153	—	
Sherwin-Will 1st pf. 105 1/4		—	
*Sterling Prod.	73 1/2	74	
Swan & Finch	16	17	
*Tenn C & Chem	11 1/2	12	
*Tex. Gulf Sul.	111 1/2	112	
Union Carbide	66 1/2	66 3/4	
*Un Drug	129 1/2	130	
*Un. Drug 1st pf.	54 1/4	55	
*Un. Dyewood	11	15 1/4	
*Un Dyewood, pf.	—	75	
Un. Gas Imp.	86 1/2	86 3/4	
Un. Gas Imp. pf.	58 1/2	—	
U. S. Gypsum	164 1/2	—	
*U. S. Indus. Al.	86 1/4	87 3/4	
*U. S. Indus. Al., pf. 114 1/4		116	
*Va Car Ch.	4 1/2	4 1/4	
*Va Car Ch. pf.	14 1/4	14 1/2	
*V. Vivaudou	147 1/2	15 1/4	
Will & Baumer	12	14	

*Listed on New York Stock Exchange

FOREIGN EXCHANGE			Par	Current
Great Britain (pound Sterling)			\$ 4.866	\$ 4.85 1/2
France (franc) .....			.183	.047
Italy (lira) .....			.193	.037
Belgium (franc) .....			.198	.046
Czechoslovakia (crown) per hundred			20.30	2.96
Denmark (krone) .....			.268	.270
Germany (mark) .....			.238	.238
Holland (florin) .....			.402	.400
Norway (krone) .....			.258	.179
Poland (zloty) .....			.193	.192
Spain (peseta) .....			.193	.145
Sweden (krone) .....			.268	.268
Switzerland (franc) .....			.193	.194
Argentina (peso) .....			.424	.403
Brazil (milreis) .....			.324	.111
Japan (yen) .....			.499	.410
India (rupee) .....			.485	.366
China (Silver dollar, Hongkong) .....			.789	.575
(Tael—Peking, silver)			1.146	.771
(Tael—Shanghai, silver)			1.986	.771

Louis F. Kramer, receiver for Reading (Pa.) Chemical Manufacturing Co., announces that Judge Schaeffer has fixed Aug. 22 for hearing his petition to sell the property of the concern at public auction. The property consists of 15 frame and tile buildings erected on a plot which is under lease to Oct. 1, 1925. A mortgage for \$72,000 was executed and bonds for \$52,000 were issued.

New Incorporations

In the Chemical, Drug, Oil Producing and Consuming Fields

Industrial Rayon Corp., Wilmington, Del., \$60,000,000. Corporation Trust Co. of Delaware.

Jacquard Silk Co., Philadelphia, \$100,000. Corporation Guarantee and Trust Co.

Franklin Laboratories, Newark, N. J., 2,500 shares common stock, no par. Chemicals. William W. Shaw, Grover J. Carey, Charles J. Gormley, Jersey City. Attorney, Charles J. Gormley.

Superior Industries, Syracuse, N. Y., 6,000 shares of common stock, no par. To make candles. C. H. Wood, G. W. Waring, G. A. Moyer. Attorney, E. D. Lichtenberg, Syracuse.

Dickinson, Renouf & Co., New York, \$10,000. Minerals. C. H. Dickinson, A. Katzin. Attorneys, Hamilton & Freeman, 100 Broadway.

Chu-Lax Mfg. Corp., New York, \$25,000. Drugs. S. and F. Weinreich. Attorney, L. Weinreich, Jamaica, L. I.

Coraline Sponge & Chamois Co., Binghamton, N. Y., \$5,000. J. A. and F. A. Sears, F. L. York. Attorneys, Hinman, Howard & Kattell, Binghamton.

Sodium Products Co., Seattle, Wash., \$100,000. Dr. S. J. Bridenstine, Dr. G. M. Osterberg, Harold H. Underhill.

Iceland Products Corp., New York, Dover, Del., \$2,500,000. Confection. U. S. Corporation Co.

Industrial Spray Drying Corp., New York, \$1,300,000. U. S. Corporation Co.

Wonder Products Co., Dover, Del., \$50,000. Preparations for cleaning automobiles. U. S. Corporation Co.

Norrida Perfumery, New York City, \$10,000. Commission and brokerage. J. Baer, E. D. Hayward, L. T. McManus. Attorneys, McKercher & Link, 40 Rector st.

Anas Chemical Co., Brooklyn, N. Y., \$15,000. Pharmaceutical preparations. A. W. Anas, S. M. Lovergine, G. Periolizzi. Attorney, J. D. Appleby, 1,650 Broadway, New York.

America Bamberg Corp., Wilmington, Del., \$17,500,000. with 35,000 shares preferred, \$100 each, and 14,000 shares common stock, no par. To manufacture and dye artificial silk thread. Corporation Trust Co. of America.

G. & R. Corp., Dover, Del., \$100,000. Chemicals. U. S. Corporation Co.

Weinrich Products Corp., Newark, N. J., \$125,000. Chemicals. William Weinrich, Allen H. Hoover, F. Milton Ludlow. Attorney, Charles Woodruff, Newark.

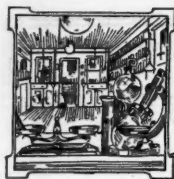
VIRGINIA-CAROLINA SUES FOR \$596,800

The receivers of Virginia-Carolina Chemical Co. have obtained an order from Supreme Court Justice Edward McGoldrick, permitting service of summons and complaint by publication on Max Meyerstein, who resides in Hanover, Germany, in a suit for \$596,800, balance with interest due on a contract of a sale in which they charge the defendant defaulted.

A writ of attachment had been served by Sheriff Hubbard, who attached all property found in New York County belonging to Meyerstein. Meyerstein bid \$2,052,000 for German securities held by the receivers of Virginia-Carolina Chemical Co., but defaulted payment. The securities were then sold to the Darmstadter National Bank of Berlin for \$1,250,000 cash. The suit against Meyerstein is for the difference between his bid and the price paid by the Berlin bank, less the amount of the check he deposited.

Commercial Solvents Corp. reports net profits of \$281,071, after depreciation, interest and reserve for taxes for the six months ended June 30, 1925, equal, after dividends on the 8 per cent preferred and class A common, to \$3.43 a share on the 46,869 shares of no-par class B common. This compares with \$410,463, or \$7.26 a share on 40,000 shares of class B stock in the first six months of 1924.

Duz Co. voting trust certificates representing 200,000 authorized class A shares of no par value have been admitted to trading on the New York Curb Market.



Drug & Fine Chemical

SECTION



Garvan Chemical Prizes Awarded

Four Scholarships at Vassar and Two at Yale, Carrying Tuition Fees and \$500 Annually for Four Years, Go to Students Who Entered the Contest Arranged by the American Chemical Society—Yale Scholarships Won by Roger S. Makepeace, of Waterbury, Conn., and Henry S. Singletary, Jr., of Port Arthur, Tex.—Winners of the Vassar Scholarships Write on Relation of Chemistry to Everyday Life

Winners in the Prize Essay Contest of the American Chemical Society have been announced by the National Awards Committee, of which Secretary Herbert Hoover of the Department of Commerce is chairman. Beginning Aug. 3, a three-day national symposium on chemical education will be held in connection with the Society's seventieth meeting at Los Angeles. Six scholarships, four at Vassar College and two at Yale University, each carrying tuition fees and \$500 annually for four years, were awarded in the Prize Essay Contest, established through gifts of Mr. and Mrs. Francis P. Garvan of New York in memory of their daughter Patricia.

Committees of the American Chemical Society sifted the selected essays, representing the first prize winners in the state and territorial contests in six fields of chemistry, down to the best three in each group. From each of these six groups of three the National Committee headed by Mr. Hoover chose the scholarship winner.

Roger S. Makepeace, Waterbury, Conn., won the Yale scholarship in the group whose theme was "The Relation of Chemistry to National Defense." Henry F. Singletary, Jr., Port Arthur, Tex., was the winner of the Yale scholarship in the group whose essays dealt with "The Relation of Chemistry to the Enrichment of Life." Jane Summers, Ensley, Ala., received a Vassar scholarship for her essay on "The Relation of Chemistry to the Development of an Industry." Ruth Jamieson, Rivera, Cal., was awarded a Vassar scholarship in the group which wrote on "The Relation of Chemistry to Agriculture." In the group whose topic was "The Relation of Chemistry to the Home," Marion Honke, Carroll, Iowa, was the Vassar scholarship winner. Shirley Cordill, New Orleans, La., received the Vassar scholarship in the group dealing with "The Relation of Chemistry to Health and Disease."

N. W. D. A. DELEGATES GET SPECIAL RATES

Delegates to the National Wholesale Druggists' Association's fifty-first annual meeting, to be held at the Book-Cadillac Hotel, Detroit, Oct. 4 to 10, will have special transportation facilities and all delegates are urged to obtain convention certificates with their tickets in order to take advantage of the allowance, made by most passenger associations, giving delegates the round trip at a fare and a half, provided there are 250 delegates who turn in their certificates.

The official party will leave New York from the Grand Central Station at 6 P. M. Oct. 3; the New England

delegation will leave Boston at 2:10 P. M. and join the official party at Albany; the official party will pass through Utica at 11:25 P. M. and Syracuse at 12:40 A. M. The Philadelphia delegation will leave from the Broad st. station of the Pennsylvania Lines at 2:11 P. M.; Richmond and the South at 8:30 A. M. from Broad St. Station, Richmond; Washington at 12:50 P. M. at Union Station; Baltimore, 1:55 P. M., Union Station; Chicago and the Northwest from Michigan Central Station, Chicago, at 10:00 A. M., Oct. 4; and St. Louis and the Southwest will leave St. Louis via the Wabash at 6:30 P. M., Oct. 3.

FOUND STEARNS FELLOWSHIP AT MICHIGAN

Frederick Stearns & Co., Detroit, have founded at the University of Michigan, the Frederick Kimball Stearns Memorial Fellowship in Medicine, in honor of the late Frederick Kimball Stearns. Mr. Stearns was a life-long patron of the arts and sciences, and had shown a special interest in the progress of the University of Michigan. The Stearns' Botanical Gardens, the Stearns' Fellowship in Pharmacy and the Stearns' collection of musical instruments, the most complete collection of its kind in the world, were evidences of his interest and generosity. While the medical fellowship is to be used at the direction of the University medical authorities, the work during the coming year will be devoted to researches on insulin and insulin therapy. The study of this problem has been of interest also in the laboratories of Frederick Stearns & Co. in the course of development of Insulin-Stearns.

MAY MAKE INSULIN SYNTHETICALLY

A concentrated form of insulin has been isolated from the commercial product by Dr. John J. Abel, professor of pharmacology, Johns Hopkins University and Dr. E. M. K. Geiling, associate professor of pharmacology, in the course of studies conducted by them to determine the exact chemical nature of the new remedy for diabetes. Medical men locally regard Dr. Abel's present work as the first step toward the production of pure insulin. If this goal is reached it will be possible, they say, to produce the drug synthetically in the laboratory in a pure form rather than depending on an extract from the pancreatic glands of animals and without the mixture of other substances which play no helpful part in the treatment.

A survey just completed by the Atlanta (Ga.) Chamber of Commerce shows an increase in the proprietary medicine industry for that city during the years 1921 to 1923. Although the number of plants decreased from 17 to 12, the number of wage earners increased from 79 to 118. The total wages paid dropped from \$70,170 in 1921 to \$69,549 in 1923, but the value of the products increased from \$1,508,592 to \$2,581,366.

The Fine Chemical Market

Current Spot Quotations for Fine Chemicals see Chemical pages 234-252

ZINC STEARATE FIRMER, CAMPHOR EASIER

Second Hand Holders of Stearate Practically Up to Manufacturers—Spot Stocks of Japanese Camphor Replenished with Further Arrivals Expected—Codliver Oil and Quicksilver Lower on Poor Demand—Denatured Alcohols Advanced—Glycerin and Potassium Permanganate Firmer

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced
Alcohol, denatured, 2c gal. Glycerin, sap. and dyn., ¼c lb.
Cocoa Butter, 2½c lb. Potassium Permanganate, ¼c lb.
Zinc Stearate sec. hands, 3c lb.

Declined
Camphor, Jap. Slabs, 2c lb. Mercury, 50c flask
Codliver Oil, 50c bbl. Thymol, 5c lb.

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acetanilid .....	.35	.35	.35	.32	2.00	.20
Acid Citric Import. ....	.46	.46	.46	.46	1.25	.45
Caffeine, Alkaloid	3.75	3.75	3.75	3.50	13.00	3.65
Calomel, American	1.37	1.37	1.37	1.22	3.45	.90
Camphor, Jap. ref. ....	.74	.76	.74	.71	3.55	.41
Iodine, Resublimed	4.65	4.65	4.65	4.40	5.00	2.75
Menthol	11.25	11.25	11.25	10.50	13.50	3.00
Potassium Bromide, Cryst. ....	.48	.48	.49	.38	4.30	.80
Quinine Sulfate, Imp. ....	.50	.50	.50	.50	.90	.25
Sodium Salicylate .....	.40	.40	.40	.40	4.25	.27
Strychnine Sulfate .....	.50	.50	.54	.43½	1.05	.50
Average	2.222	2.223	2.204	2.30	5.92	1.56

Little interest is shown in fine chemicals outside the routine buying that is necessary to fill recurring needs. Important price changes are principally in the way of concessions to this poor demand except for the advances in alcohols and zinc stearate. Other advances have little bearing on the market in an influential way. Zinc stearate is firm and manufacturers are showing a tendency to higher prices with second hands unable to go much below their prices. Alcohol has been advanced with most of the season's business already contracted for and visible stocks decidedly curtailed. Lack of demand has reduced the price of codliver oil and mercury, and the reappearance of stocks has brought a decline in Japanese camphor. Other price changes are few and have little effect on the general condition of the market.

Acetanilid—Demand is fair with prices unchanged at former figures.

Acid Acetylsalicylic—Prices remain unchanged at 75c@80c in first hands with second hands selling at 70c@73c lb.

Acid, Benzoic—Normal activity continues with prices steady at recent decline to 60c@65c lb. as to quantity.

Acid, Citric—Demand continues good, as is to be expected at this season, and prices are unchanged at former figures. With domestic prices where they are, imported goods cannot be sold in this country at a profit.

Acid, Diethylbarbituric—Nothing new has developed in this market and prices are unchanged at \$8@\$9 for domestic goods and \$4.00@\$4.25 for imported.

Acid, Tartaric—Prices are steady and demand continues good. Imported goods are unable to compete in price with the domestic.

Alcohols—With between 70 and 80 per cent of the next season's probable business contracted for, and visible stocks shrinking, producers advanced the price of all grades of completely denatured and most grades of specially denatured 2c a gallon on July 15. This brings the No. 1 and No. 5 up to 49½c gal. in returnable drums and the No. 6 up to 48½c. Pure alcohol and wood alcohol are unchanged at former figures. Demand for denatured grades is very good and second hands are now up to the manufacturers' schedule.

Alolin—Price remains firm with little demand in evidence at present.

Amidopyrine—Little interest is displayed in this product at the moment and prices are unchanged.

Antipyrene—Market continues normal with prices steady at \$1.75@\$1.90 lb.

Bismuth Preparations—Following the recent advance made by manufacturers of bismuth salts there has been an advance on the part of resale holders bringing the metal up to \$2.90 in their hands and the subnitrate to \$2.50@\$2.75 lb. First hand prices are firm at recent figures.

Bromides—There has been no change in this situation with stocks of imported soda and ammonia practically non-existent and potash not very plentiful. Replacement prices are prohibitive and domestic producers have the market practically their own way. Prices are unchanged.

Camphor—Fresh stocks of Japanese camphor are now arriving and spot goods are offered at 74c@75c lb. for the slabs. Goods for arrival in two or three weeks are offered at 73c lb. Ounce and half ounce cakes are unchanged as is the domestic refined material.

Cocoa Butter—The price of this has been steadily advancing and it is now quoted at 31c in bulk and 35c@36c for the fingers.

Codliver Oil—Demand has not been so much in evidence lately and the price has declined to \$35.50@\$37.00 bbl. as to quantity and brand although prices for shipment are still very firm.

Formaldehyde—Demand continues good for the season of the year and supplies are moving in a fair way at unchanged prices.

Glycerin—The price of saponification has advanced to 14½c lb. with shading possible on the dynamite at 19c. C. P. and lye are unchanged at former prices.

Iodine—The tincture has advanced to \$4.65 gal. in first hands and to \$4.45@\$4.65 in second hands. The crystals remain steady at unchanged figures.

Menthol—The market is firming up considerably although there has been no change in the spot price. Futures are much firmer and higher figures are asked. It is expected that \$11.50 will be named for spot goods in the near future.

Mercury—Lack of demand has produced a lower price for this commodity which is now quoted at \$83.50 @\$84.00 flask. A shipment of 1,700 bottles received in New York last week were sold for arrival and had no effect on the spot market.

Potassium Permanganate—The one sale previously reported at 14¼c lb. seems to have constituted all that was done at that figure as the price is again 14¼c@15½c. Replacements of imported goods would cost about 16½c so that the appearance of any real demand would produce a much firmer position.

Sodium Benzoate—Some rumors are heard that the recent drastic cut in price has not ended the lowering of this item but that further reduction is to be looked for soon. Be that as it may, producers are now firm at 50c@55c lb. as to quantity.

Thymol—The market for this item continues easy with quotations as low as \$3.75 in second hands up to \$4.00 in first hands.

Zinc Stearate—Manufacturers are firmer in their opinions and the best that can be done with them is 21c@23c lb. Resale stocks have advanced sharply to 20½c@21c lb. due to the firmness of first hand stocks.

SEARLE BUYS ABBOTT CHICAGO BUILDING

G. D. Searle & Co., Chicago, have purchased the building owned by the Abbott Laboratories at Lawrence and Ravenswood aves., Chicago, a corner 237 by 163 feet, containing 100,000 square feet, for an indicated consideration of \$300,000. The Searle company which manufactures chemical and pharmaceutical products, is at present located in its own plant on Ravenswood ave. near Wilson ave., a short distance from the Abbott plant. The Abbott Laboratories have about completed building a new and larger plant at North Chicago. Both firms have grown rapidly during the past few years, necessitating the increased facilities.

The new Searle acquisition consists of two four-story buildings, the south building to be occupied by the firm itself while the north one will be leased. The Abbott Laboratories will move to its new North Chicago plant, covering 24 acres, about Oct. 1. Dr. Alfred Burdick is president of the Abbott Laboratories. Elmer E. Stults, president of the E. E. Stults Realty Co., Chicago, negotiated the deal for both parties and will manage the building.

A petition in bankruptcy has been filed against Fraser Tablet Co., 453 Nineteenth st., Brooklyn, manufacturers of pharmaceutical and medicinal products, by Burt R. Ewert, a creditor for \$5,984; Charles L. Barthen, for \$1,619; James A. Keenan for \$675.

Weakness is noted in every direction in the Japanese fine chemical market. Owing to selling pressure boric acid has declined yen 5 per 100 kilos to yen 65. Tartaric acid has weakened 2 sen per barrel and pyramidon 10 sen per lb.

E. R. Squibb & Sons have been awarded a government contract for 2,000 bottles of cascara sagrada at 72c and Terminal Supply Co. has been awarded a contract for 10,000 bottles liquid petrolatum at 17.37c.

C. F. Burgess Laboratories, incorporated under the laws of Wisconsin, has been authorized to do business in Ontario with capital of \$100,000, and has appointed L. R. Baker, of Niagara Falls, Ont., as its agent.

Gustave Beyer of Merck & Co., and Mrs. Beyer celebrated their twenty-fifth wedding anniversary by a trip to the Pacific coast. Mr. Beyer has been with Merck & Co. for thirty years.

Employees of Sharp & Dohme, manufacturing chemists, Baltimore, held their ninth annual excursion to Tolchester Beach July 20.

MENTHOL HIGHER IN LONDON

Japanese Mint Oil, Senega Root, Oil Orange and Pepper Advance—Prices firm on Benzol, Cascara Sagrada, Permanganate of Potash, Phenacetin and Carnauba Wax—Pyrogallic Acid, Caraway Seed, Salol, Shellac, Resorcin and Vanilla Lower

(Special Cable to DRUG & CHEMICAL MARKETS)

London, July 22—Trading in crude drugs and fine chemicals is fair this week. Higher prices are asked for menthol, Japanese mint oil, senega root, oil orange and pepper.

A firmer market has developed for benzol, cascara sagrada, permanganate of potash, phenacetin and carnauba wax.

Some weakness is shown in a few products and prices are easier for the following named: Carbolic acid, codliver oil, hydrastis, oil lemon, epsom salt and milk sugar.

Lower prices are announced on pyrogallic acid, caraway seed, salol, shellac, resorcin and vanilla.

London, July 13 (By Mail)—The drug markets continue quiet with the exception of a more or less lively interest being taken in Far Eastern products, notably Chinese. In the almost total absence of cable offers from that quarter prices have further advanced and may go still higher. The feature of the week has been the further rise in bismuth metal which came without surprise as for some time supplies have been difficult to procure from the Convention, except by recognized regular buyers. Outside holders have been selling at a premium. The official price of 10s per lb., an advance of 2s 6d per lb., was announced on June 30, and makers of the salts promptly responded with the following revised prices:

Bismuth Subnitrate—11s per lb.

Bismuth Carbonate—13s per lb. for 112 lbs. and over.

Sugar of Milk, Dutch, has advanced to 77s 6d per cwt. by the case of 2 cwt. for finest B. P. quality. American in 200 lb. bbls. 75s per cwt.

Almonds in the presence of unfavorable reports, as the new crops, continue to advance. Persian sold up to 180s per cwt., Moroccan 170s per cwt.

China Star Anise Oil—After considerable sales at 2s 9d per lb., advanced to 2s 10¼d per lb. for Red Ship.

Cassia Oil has likewise been in brisk demand and 8s 6d per lb. is now wanted.

Eucalyptus Oil—70-75 per cent is lower and weak at 1s 9d per lb.

Lemon Oil is much dearer on the week and reliable brands are fetching 4s 3d per lb., c.i.f. with mention of 5s per lb. in one quarter.

Codliver Oil is dull at 144s per bbl. f.o.b. Bergen.

Ipecac is in good demand and exceedingly firm. Matto Grosso 8s 6d; Minas 8s 3d per lb. has just been cleared.

Dr. Charles D. Howard, State Chemist, Concord, N. H., was elected president, and A. M. G. Stoule was re-elected secretary, of the New England Dairy, Food and Drug Officials at the regular meeting of that organization June 30. Reports were read by the representatives of the six states, giving a resume of the year's work in their respective states.

Receipts of crude camphor were unusually high during May, amounting to 359,000 pounds, valued at \$199,000.

The United States Indian Service has made a number of awards for the year's supplies of medicinals.

The Crude Drug Market

Current Spot Quotations for Crude Drugs, pages 252-257

IPECAC HIGHER ON SUDDEN DEMAND

Large Orders Find Insufficient Stocks—So-called Cascara Amagra, Celery Seed, Elemi Gum, Japan Wax, Irish Moss and Scammony Higher on Scarcity of Supplies—Aletris Root, Sassafras and Senna Pods Lower—Spice Market Active

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced	
Aloes, Cur., 1c lb.	Ipecac, 25c to 50c lb.
Anise, star, 3/4c lb.	Japan Wax, 1/2c lb.
Areca Nuts, 2c lb.	Mace, 2c lb.
Cardamom, dec., 5c lb.	Moss, Irish, 2c lb.
Cascara Amagra, so-called, 10c lb.	Nutmegs, 2c lb.
Celery Seed, 2 1/2c lb.	Pepper, 3/4c to 1c lb.
Ceresin Wax, 1c lb.	Sabadilla Seed, grd, 1c lb.
Cochineal, black, 3c lb.	Scammony Resin, 15c lb.
Elemi Gum, 1c lb.	Root, 2c lb.
Declined	
Aletris Root, 1c lb.	Euphorbia pilulifera, 1c lb.
Anise, Span., 1/4c lb.	Fennel Seed, 1/2c lb.
Balsam Cop., 1c to 4c lb.	Ginger, Jam. grd, 1/4c lb.
Cinchona Bark, brok., 1c lb.	Mastic Gum, 1c lb.
Cloves, Zanzibar, 1/2c lb.	Mustard, 1/4c to 1/2c lb.
Coriander Seed, Mor., 1/4c lb.	Pimento, 1/4c lb.
Cumin Seed, Malta, 1/4c lb.	Sassafras, sel., 1c lb.
Damar Gum, 1c lb.	Senna, pods, 3c lb.
Doggrass Root, 1c lb.	Thyme, French, 1c lb.

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Aconite Root, USP	.33	.33	.33	.39	.90	.42
Buchu Leaves, Short	.65	.65	.65	.76	4.00	.85
Cantharides, Russian	.75	.75	.80	.50	9.00	2.10
Cocculus Indicus	.08	.08	.08	.03	.25	.08
Ergot, Spanish	.50	.50	.50	.30	4.50	.54
Insect Powder, pure	.35	.37	.38	.62	1.00	.28
Ipecac, Cartagena, Powd.	2.80	2.25	2.35	2.10	4.50	1.35
Nux Vomica	.05	.05	.05	.05	1.44	.07
Opium gum	12.00	12.00	12.00	9.00	30.00	5.00
Rhubarb Root, H. D.	.38	.36	.33	.29	1.75	.15
Tragacanth No. 1, ribbon	1.45	1.45	1.45	1.20	6.00	1.50
Wild Cherry Bk, Thin nat.	.09	.09	.09	.09	.21	.07
Average	1.619	1.574	1.584	1.32	5.28	1.60

The exact condition of any item on the market is difficult to ascertain until some unexpectedly large order develops and finds stocks insufficient to meet it. Precisely that situation developed this week in the case of ipecac which now occupies a very strong position. A few other scarcities developed, but none of them produced such acute conditions as ipecac. The general tone of the market would seem to indicate fair activity, but dealers state that the mid-summer lull is now on and the demand is not very active. The spice trade is very active and many of the price changes which have occurred are produced in that or allied markets. Cascara amagra (so-called) and elemi gum have developed scarcities and are higher. Celery seed, Japan wax and scammony root and resin are also higher. Outstanding declines of importance are those that occurred in aletris root, senna pods and sassafras.

Aletris Root—There has been a one-cent decline in price in this item which is now quoted at 37c@39c lb.

Aloes—Curacao Aloes has advanced to 11c@12c lb. with other grades unchanged but firm.

Anise—Star anise has recovered to 12 1/4c@13 1/4c lb. with Spanish easier at 16 1/4c@16 1/2c lb.

Arabic Gum—A somewhat firmer tone is reflected in this market but prices have shown no change. Amber sorts are still quoted at 13 1/2c@14c lb.

Areca Nuts—The market for these has firmed up

considerably and they are now quoted at the advanced price of 18c@19c lb.

Balsams—A slight easing has been seen in the market for these and copaiba Para is now quoted at 50c@54c lb. with South America at 55c@60c. Firs, Tolu and Peru balsams are unchanged at former figures.

Cardamom—The decorticated seeds are in a firmer position and have been advanced to \$2.45@\$2.60 lb. with the green grinding up to \$1.60@\$1.65 with the bleached seeds unchanged at \$2.50@\$2.60.

Cascara Amagra—The true is unchanged and scarce at \$1.25@\$1.50, and the so-called has recently become scarce and has advanced to 65c@70c lb.

Chamomile Flowers—Interest has slackened and prices are no longer showing such activity. Hungarian flowers are available at 18c@20c lb. with shipment quotations at higher figures.

Cinchona Bark—The broken bark is easier at 29c@34c lb. with the red quills unchanged at 75c@80c lb.

Cochineal—The black cochineal is now quoted at 54c lb. with fair demand.

Damiana—This article remains scarce and is quoted at \$1.25@\$1.50.

Doggrass Root—The U.S.P. has been reduced to 11c@12c lb.

Ergot—Few developments are visible in this market with a routine demand and prices varying around 50c@55c lb.

Euphorbia Pilulifera—An easier condition exists in this market and prices are named at 8c@8 1/2c lb.

Golden Seal—Varying prices are reported but stocks in the hands of New York merchants are held at \$4.50@\$4.60 lb. with the ground at \$4.90.

Ipecac—One dealer is holding his stocks at \$2.50 for the whole root and \$2.80 for the powdered. At the moment of going to press some outside stocks were available at \$2.25 for the root, either Rio or Cartagena, but how long they will last at that price is decidedly uncertain. Large orders are in the market with stocks insufficient to meet them.

Gums—Elemi gum is exceedingly scarce and liable to remain so with the price nominally held at 15c lb. Damar gum is weak and quotations have been reduced to 25c@25 1/2c lb. Mastic is also a trifle easier and is named at 56c@58c lb. Sandarac continues firm at 45c@50c lb.

Lycopodium—Some added strength is felt in this market and some dealers are holding their stocks at 88c@95c lb. but it is understood that 85c can still be done.

Musk Root—Prices as low as \$1.35 have been heard but the majority are holding for \$1.40@\$1.65 lb. as to holder.

Moss—Irish moss is very scarce and no new material can be had until the arrival of the new crop, due in September. Price has advanced to 11c@12c lb.

Poke Root—This item is firmly held at 9c@10c lb.

Rhubarb—The market continues firm at 38c@40c lb. although there is some hint that 36c can be done.

Sabadilla Seed—The seeds are held at 14 1/2c@16c lb. and the ground has advanced to 20c@21c lb.

Sassafras—Select bark has been still further reduced to 29c@32c lb. with the ordinary unchanged at 15c@17c lb.

Scammony—The root has been advanced to 9c@9½c lb. with the resin also advanced to \$1.35@\$1.50 lb.

Seeds—Celery seeds have shown considerable strength this week and have advanced to 28c@30c lb. Coriander is easier and has declined to 12¾c@13¼c lb.; fennel seed has declined to 8¾c@9c and other seeds in general are unchanged.

Senega Root—This item is much firmer after the decline recorded last week but quotations are at present unchanged at 52c@54c lb.

Senna—The pods have been sharply reduced to 17c@18c lb. with the leaves unchanged at former figures.

Spices—Activity in this market is good at the present moment and price fluctuations are common. Mace has advanced 2c for the Siau and Banda to \$1.05@\$1.06 and \$1.07@\$1.10 respectively. Nutmeg, 110's, have advanced to 54c@55c lb.; white pepper to 25½c@26c, Allepy to 16¼@16¾c, Lampong 16c@16¼c, Tel-lecherry to 16¾c@17c and Muntok to 25¾c@26c lb. Zanzibar cloves have receded to 28c@28½c lb. and green grinding Jamaica Ginger to 17¾c@18¼c lb. Bombay brown mustard has declined to 7¾c@8¼c, California brown to 9c@9½c and Dutch yellow to 8¾c@9¼c lb., pimento to 8c@8¼c and Allepy turmeric down to 9¼c@9¾c lb.

Thyme—French thyme has declined to 8c@8½c lb.

Waxes—The tone of this market is upward with carnauba steady at unchanged prices, Japan up to 18½c@19c lb. and ceresin to 12c@20c for the white and 10c@12c for the yellow.

Fred Smith of Froment & Co., 150 Bank St., New York City, was shot while defending a pay roll from bandits on the afternoon of July 17 and died in St. Vincent's Hospital at midnight of the same day. He was the father of J. Van Velsor Smith who is with Peek & Velsor, crude drug dealers, and secretary of the National Crude Drug Merchants and Millers Association.

Boston was host, last week, to 3,000 delegates to the Rexall convention of United Drug Co. There were delegates from practically every state in the union. In addition to the business meetings an elaborate social programme was arranged including sight seeing by boat and motor, special display of fireworks, concert by prominent opera stars and a ball.

George H. Lincks reports exports of Kauri Gum for May, 1925, as 534 tons, valued at £37,731 of which 259 tons valued at £13,757 came to United States, 228 tons valued at £21,579 went to the United Kingdom and the remainder to other European countries, Canada and Japan. Production for May was 330 tons and that for June up to the 20th was 285 tons.

At the regular meeting of the National Crude Drug Merchants and Millers Association, held July 21 at the New York Board of Trade and Transportation, a constitution was presented by a special committee and was adopted.

R. L. Farnum, salesman for Michigan Drug Co., used an airplane to call on customers in ten towns in Michigan, making a trip of 365 miles between 10.40 a. m. and 5:10 p. m. the same day.

United States Industrial Alcohol Co. will build an addition to its plant at Curtis Bay, Baltimore. It is to be 65 by 104 feet, and will cost \$50,000.

INDUSTRIAL ALCOHOL CONTROL SHIFTED

Passes From Collectors of Internal Revenue to Federal Prohibition Administrators—Adoption of Regulation 61 Announced by Prohibition Commissioner Haynes —Supervision of Permits Rests with Administrators (Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., July 22—Control of all industrial alcohol matters is transferred from Collectors of Internal Revenue to Federal Prohibition Administrators for the several districts provided for by the plan of reorganization of the prohibition field force, under the revised alcohol regulations, known as Regulations 61, issued by the Treasury Department, effective Aug. 1. Such administrative functions as are essential to the accounting of the alcohol produced and released for consumption, with particular reference to the collection of taxes, will remain with the Collectors of Internal Revenue.

"These regulations," Federal Prohibition Commissioner R. A. Haynes said, in making the announcement, "are the result of extensive study of the industrial alcohol problem and mark the most advanced step taken in the control of industrial alcohol since National Prohibition, at the same time giving assurance that legitimate business interests have been provided for. The centering of the administration of the uses of industrial alcohol in one local administrative head will provide a simplified, direct and responsible administration."

Permits to operate industrial alcohol plants, bonded warehouses and denaturing plants will be issued by Federal Prohibition Administrators. Supervision over the production, warehousing and denaturation of the alcohol will be retained by the Collectors of Internal Revenue on account of the tax involved, but their interest will cease after there has been a tax payment or withdrawal from the warehouse or a denaturation of the alcohol.

Authorization for withdrawal of alcohol free of tax for the use of the United States, States, Territories, hospitals, colleges, and other institutions, will continue to be issued by the Commissioner of Internal Revenue through the Collectors, but the determination of who shall be permitted to secure alcohol free of tax will be made by the Federal Prohibition Administrator.

Sole supervision of permits for the sale and use of denatured alcohol will rest with the Federal Prohibition Administrators with reference to receiving of reports and issuance and revocation of permits. They will likewise control the exportation of denatured alcohol.

Part 1 of the regulations relates largely to the mechanical construction and operation of alcohol producing plants and warehouses, and has to do primarily with the collection of tax.

Part 2 relates to the denaturation of alcohol and the uses of denatured alcohol. The procedures in Part 2, for the obtaining of industrial alcohol permits, are made specific and the operations of permittees under the regulations are made more clear and definite. The articles having to do with the use of denatured alcohol have been so drawn, with the counsel and advice of representatives of leading industries concerned, that the rules laid down should operate for the protection of business interests, for whom they are a guide, as well as protect the public against abuses of industrial alcohol permits.

Herbert R. McIlvaine of McIlvaine Bros., New York, returned from abroad July 2 on the Columbus.

The Essential Oil Market

Current Spot Quotations of Essential Oils, pages 257-258, Aromatic Chemicals, 258

REPORT START OF PEPPERMINT DISTILLING

Distillation Began July 15 in Southern Sections—Lemon Slides Off on Reduced Buying—Citronella Lower—Anise and Cassia Higher as Expected—Sharp Advance in Clove Oil—Further Drop in Linaloe

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced	
Oil Anise, tech., 10c lb.	Oil Bergamot, 15c lb.
U. S. P., 7½c lb.	Oil Cassia, tech., 10c lb.
Oil Cloves, 10c lb.	U. S. P., 5c lb.
Declined	
Oil Citronella, Ceylon, 2c lb.	Oil Lemon 10c lb.
Oil Linaloe, Mex., 10c lb.	

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Oil Bergamot	\$3.75	\$3.60	\$3.25	\$3.75	\$7.00	\$5.00
Oil Citronella Ceylon .....	.53	.55	.60	.80	1.02	.60
Oil Cloves	1.85	1.75	1.70	1.75	3.70	1.40
Oil Lemon, Italian	1.45	1.60	1.35	.80	1.70	2.00
Oil Peppermint Nat.	19.00	19.00	13.00	4.00	9.00	2.24
Oil Sandalwood, E. I.	7.00	7.00	7.00	6.25	14.00	5.25
Oil Sassafras, Artif. ....	.27	.27	.27	.35	1.00	.26
Coumarin	3.10	3.10	3.25	3.50	31.00	3.10
Benzaldehyde U. S. P.	1.30	1.30	1.30	1.50	5.15	1.50
Methyl Salicylate, Cans. ....	.45	.45	.47	.47	1.00	.85
Vanillin .....	.49½	.49½	.49½	.49½	.95	.30
Average	3.62	3.61	2.94	2.14	6.83	2.05

Continued activity and strong bullish sentiment continued to characterize the essential oil market during the past week. The general trend of prices is upward while resistance to individual price declines is strong. Competition is keen, but stocks of a number of oils in dealers' hands are considerably reduced, which is reflected in a well supported market and strong undertone. The expected advance in anise and cassia oils came this week following heavy buying which sent prices up before all orders in the market had been taken care of. Peppermint holds firm on spot. Reports that distillation has already begun in some of the southern sections of the peppermint area are current here. The rapid rise of lemon, over fifty per cent in a week, has killed off much of the demand and prices have shown a tendency to recede this week. Mexican linaloe and Ceylon citronella are easier.

Essential Oils

Oil Anise—The long expected advance in anise oil prices came this week. Several large buying orders came into the market and before they were all filled, the price had been forced up ten cents. Technical sold at 70c spot in drums and other offers for technical oil at the same price were turned down. U.S.P. oil was moved up to 72c lb. spot cans, previous inside being 63c and 65c as to sellers. Higher cost to import has been strengthening this market for some time, but small demand on spot has effectively held the price down here.

Oil Bergamot—For standard brands on spot, bergamot is up to \$3.75 lb. inside this week. Range is to \$4.00 as to brand and seller. Demand is not heavy, but the price well supported and position strong. Import cost is \$4.25. Cheaper bergamot is naturally offered here at lower prices ranging down as to quality.

Oil Bois de Rose—Unchanged and easy at recent decline to \$3.50 lb. Demand is limited to small lots.

Oil Cassia—The movement in anise prices has had a parallel rise in the cassia market and prices for spot goods have moved up. Inside on spot for U.S.P. has moved to \$2.50 lb. inside. Some sellers are quoting \$2.75 as best. Technical oil is also higher and named from \$2.10 up to \$2.25. Replacement costs are higher.

Oil Citronella—Continues easy on spot for Ceylon oil. Slight shading is noted this week and price is down to 53c drums. Range is up to 57c drums as to seller and to 60c for cans. Java oil dull at 95c lb. spot drums.

Oil Cloves—Owing to the cost of spice, the oil has been advanced by distillers this week. Inside for cans is now \$1.82½ lb. spot with most sellers ranging from \$1.85 to \$1.90. With present cost of raw material, price for oil should be over \$2.00 lb.

Oil Eucalyptus—Spot position firmer, but prices are unchanged at 55c lb. for spot drums, 57c for cases.

Oil Lemon—The sharp rise in prices last week and previously which brought spot oil up to \$1.60, quite effectively shut off active seasonal buying in quantity. The price has shown a tendency to recede this week and \$1.45 lb. up to \$1.75 is now named openly for spot standard brands. As indicated by some factors in the trade, the price rose too rapidly to be well supported and the decline in buying has been only natural. A slump back to anything like former levels, however, is apparently out of the question at this time.

Oil Limes—Distilled limes quoted at \$2.25 lb. by essential oil houses, ranging to \$2.50. One source reported still at \$2.00. Expressed limes inside spot \$6.25 @ \$6.50 lb. and still scarce.

Oil Linaloe—Mexican linaloe is in larger supply and prices are easier in competition. On spot, \$3.50 @ \$3.75 lb. is now named as to seller.

Oil Orange—Position unchanged with prices about the same and apparently firmly held. Italian spot at \$2.60 all the way to \$3.00 lb. as to brand and seller. West Indian at \$2.55 lb. up.

Oil Peppermint—Distillation of 1925 oil is reported to have started already in southern sections of the peppermint area in spite of early statements that no distillation would begin before Aug. 15. Reiteration of a good crop this year has been made by several quarters who state that outside of the early May freeze, the weather and moisture conditions have been ideal. Mid-West advices to "Drug & Chemical Markets" stated that the increased acreage this year alone will assure a considerably larger production of oil than 1924. Another Michigan dealer predicts seven dollar oil by Dec. 1. All of which reports can be taken with a grain of salt, according to which side of the fence the dealer is on. Spot peppermint is strong, but in small demand at \$20.00 lb. for either grade with very little available.

Oil Spearmint—Spot is more quiet and prices have apparently settled down at \$8.00 lb. Demand is not as active.

Aromatic Chemicals

Coumarin—Price remains firm at recent reduction to

\$3.10 lb. basis by makers; resale goods held here at same price for limited quantities.

Benzaldehyde—Spot position is steady. Influence of imported material has not softened the market apparently, for prices are unchanged at \$1.30 lb. U.S.P.; \$1.50 f.f.c. from makers; \$1.10@1.30 lb. U.S.P. from importers.

Methyl Anthranilate—Position is easy due to competition. Prices are low, although demand is steady. Range from \$2.50 lb. inside all the way to \$3.50 as to quality and seller for both domestic and imported material.

Methyl Salicylate—The situation has been clarified by the recent cut to 43c lb. drums from makers, 45c cans. Cutting under has apparently been eliminated for the time being and position seems firmer. These prices for methyl salicylate are well below pre-war figures.

Menthol—Spot steady at \$11.25 lb. cases with market closely controlled. Nov.-Dec. delivery \$10.00@10.75; after Jan. 1, arrivals \$9.50. Consumption in peppermint substitutes is quite heavy. Germany reported active buyer in this market.

Vanillin—With present clove position warranting a \$2.00 market for oil cloves, the undertone of vanillin is firmer. A rise would not be unlikely and is almost assured if clove oil does reach the \$2.00 mark. Present makers 49½c oz. basis; resale 47c oz.

Dickinson, Renouf & Co., 111 Wall st., incorporated for \$10,000 under New York laws, has taken over the assets and liabilities of Dickinson & Co., 200 Fifth ave., New York, and of Produce & Chemical Co., Inc., 50 Broad st. The officers of the new company are: S. Beloff, president; Chas. H. Dickinson, vice-president; Ralph Renouf, treasurer; Alexander B. Katzin, secretary. Dickinson, Renouf & Co., Inc., will continue the exclusive agency for the alcohol division of E. Atkins & Co. in New York, Connecticut and New Jersey, south to Trenton, heretofore held by Dickinson & Co.; and have been appointed agents in the United States and Canada for The Cookson Produce & Chemical Co., Ltd., of London, England.

Exports of oil citronella from Java during the first quarter of 1925 aggregated 223,284 kilos compared with 131,936 kilos for the corresponding period of 1924 and 117,232 kilos for the first three months of 1923. The United States was the principal buyer and took 77,037 kilos, against 12,974 kilos in 1924 and 76,011 kilos in 1923, during the first quarter. Shipments to France and Great Britain show material increases.

The Department of Commerce reports imports of biological medicinals during April valued at \$834, other medicinals valued at \$11,058 and 140,658 lbs., medicinal and pharmaceutical preparations valued at \$106,156.

Fratelli Jung, Palermo, in advices to Joseph H. Browne state that demand for lemon oil for shipment is only fair, and that previous shipments have been so heavy that stocks are pretty well depleted and there is little likelihood of any carry-over. The spot market in Palermo is very firm.

C. W. Obermeyer, formerly of the Detroit and New York offices of Rossville Co., alcohol manufacturers, is now in charge of the Chicago district for the company. Mr. Obermeyer succeeds Harry Cohen who resigned recently.

OUTPUT OF SAUGE SCLAREE TOO LARGE

Before Sauge Sclaree, a plant which grows wild in certain parts of the Maritime-Alps, as well as in the Department of the Var, was used in the perfumery industry, says Consul Glazebrook, of Nice, France, and when it was less known, it was commonly called "Sauge Musk," and was frequently used to give an aroma of muscat to certain white wines. Now, it is being cultivated for use in perfumery in certain localities, notably at Vaucluse and Nimes, in the Department of the Var, and more particularly in the Department of Maritime Alps. The cultivation of the plant has been taken up without any idea of the quantity which could be used by the perfume industry, with the consequence that the production has greatly exceeded the demand, and has caused the price to fall to such an extent that the cultivators are very much discouraged. The plant is harvested at the end of July, when it has reached its full growth. It is cut close to the ground and the entire plant, leaves, stems, and flowers, is used.

Two methods are used in the treatment of the Sauge Sclaree: distillation, which gives the essential oil, and the use of solvents, which gives concrete essence. The product obtained by the distillation of the plants in the form of an essential oil is not unlike in odor the essence of lavender, with an agreeable suggestion of amber. Like the essence of lavender, the essence of sauge sclaree contains a good proportion of acetate of linalyle. The contents of essence sauge are:

Density 15°—0.888 to 0.900.

Solubility in alcohol at 75°. 1 volume 5 to 2 alcohol.

Rotary power —11 to —22.

Continuity in ether acetate of linalyle 38 to 45 per cent.

The sauge sclaree heated with dissolvents volatile gives an essence concrete and absolute. The latter perfectly soluble in alcohol is of a pretty green color and remains remarkably solid. It is difficult to obtain the process of any distilled or crystalized product, as the houses engaged in manufacturing this article have given study for a number of years to arrive at the perfection attained. Hence, they naturally wish to guard the secret of this process and protect their seeds from foreign propagation.

DUTY ADVANCED ON HELIOTROPIN

General Appraiser McClelland has decided that heliotropin imported by Fritzsche Bros. from Germany, is a product in whose manufacture a coal tar product or derivative is used, and hence is assessable on import at the market value of American made heliotropin, with which it competes, as provided for in paragraph 28 of the tariff act of 1922. An affidavit by the German manufacturer was produced, stating that no coal tar product was used in the manufacture of this heliotropin, but the appraiser decided that evidence to the contrary outweighed the value of the affidavit and he upheld the original appraisement. Heliotropin is, therefore, to be appraised at \$1.75, instead of at 80c lb. as it was originally invoiced.

Ungerer & Co., New York, have been granted registration No. 200,692 for their trade mark Iriszone, a product which has been sold by the company since its establishment by the late W. P. Ungerer. Iriszone is an orris-violet composition based on the methylionone character.

Fox & Clarke Co., New York, essential oils, has moved to 118 E. 27th st. Telephone Madison Square 8135.

Prices Current of Fine and Heavy Chemicals, Drugs, Essential Oils, Dyestuffs and Oils

CLASSIFICATION—Prices quoted herein are listed in the following groups: Chemicals, including heavy, technical, and industrial chemicals; fine, medicinal, and photographic chemicals; coal-tar crudes and intermediates; tanning and dye extracts; dye and tan woods; naval stores; fillers and pigments; dextrines, sizes, and starches; fertilizer materials; accelerators and solvents, and miscellaneous products Crude Drugs, including barks, herbs, roots, etc. Essential Oils, including oleoresins, synthetic aromatic chemicals and isolates. Fatty Oils, including animal, vegetable, and fish oils, tallow, greases, and fats. All groups are in alphabetical order.

Packages—Prices are for large quantities in original packages of the customary trading units of weight or measure. A container given in connection with a price does not necessarily mean that this is the quantity on which the price is based. Containers named are the original packages most commonly sold in this market.

QUOTATIONS—Chemical prices quoted herein are those of American manufacturers unless otherwise specified. Quotations on imported chemicals are so designated. Where resale or "second hand" stocks of any chemical products are sufficient to be considered a factor in determining the market, prices for goods in this class will be quoted in addition to makers' prices available,

and indicated as such. Chemical prices quoted herein are for goods spot New York or Metropolitan District, f. o. b. or ex-store, for immediate shipment, unless otherwise specified. Numerous domestic made heavy or industrial chemical products are sold principally on a basis of f. o. b. works, and are thus quoted in the list herein, each instance of a "works" price, however, being specified as such.

Fatty Oils prices quoted herein are for goods spot New York unless otherwise noted; f. o. b. mills and Coast prices being designated as such. Crude Drugs and Essential Oils are quoted f. o. b. New York (Manhattan with limitations) for immediate shipment. Tanning and Dye Extracts are quoted spot New York unless otherwise noted.

WEIGHTS AND MEASURES—All quotations are made on a basis of avoirdupois pounds and ounces, and American gallons. The following equivalents are given for the reference of exporters, importers, and foreign buyers:

1 Imperial Gallon (British)	—1.20	American Gallons
1 American Gallon	— .833	Imperial Gallon
1 American Gallon	—3.79	Liters
1 Liter	— .264	American Gallon
1 American Gallon (Water)	—8.35	Pounds
1 Pound (Avoirdupois)	— .454	Kilogram
1 Kilogram	—2.20	Pounds

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Chemicals

ACETANILID , tech 150 lb bbls...D			.36	:	.38
100 lb bags.....D			.37	:	.30
UMP, 200 lb bbls.....D			.35	:	.37
Second Hand.....D			.35	:	.36
Acetic Anhydride					
85-89%, 107 lb chgs.....D			.39	:	.40
90-95%, 100 lb chgs.....D			.41	:	.45
CP, 100 lb chgs.....D			.75	:	.80
Acetone , CP 700 lb drs c/wks.....D					.12
700 lb drs, l/l wks.....D			.13	:	.13 1/2
250 lb drs, l/l wks.....D					.14
Tank cars, wks.....D					.12
Acetone , 50 gal drums.....D					.35
Acetone Oil , light, drs, wks.....gal			1.40	:	1.45
Heavy , drs, wks.....gal			1.40	:	1.45
Acetophenetidin , 225 lb bbls.....D			1.80	:	1.90
Acetyl Chloride , 100 lb chgs.....D			.33	:	.34
Acetylacetone Tetra Bromide.....D			1.25	:	2.50
ACID , 1, 2, 4, 250 lb bbls.....D					1.90
Acetic , 25%, 400 lb bbls, c/l					3.00
wks.....100 lb					3.35
25%, l/l wks.....100 lb					5.00
50%, c/l wks.....100 lb					5.85
50%, l/l wks.....100 lb					6.25
70%, bbls, c/l wks.....100 lb					7.14
70%, l/l wks.....100 lb					7.73
80% coml. bbls, c/l wks.....100 lb					8.08
80% coml. l/l wks.....100 lb					8.73
80% pure bbls, c/l wks.....100 lb					9.87
Glacial, bbls, c/l wks.....100 lb					10.87
Glacial, l/l wks.....100 lb					10.93
Glacial, UMP chgs, wks.....100 lb					11.53
Acetylaldehyde , 225 lb bbls.....D			.75	:	.90
Second hand.....D			.70	:	.73
Antiradial , tech, drs.....D			.98	:	1.00
99-100% , 100 lb drs.....D			.98	:	1.00
Benzene , tech, 100 lb bbls.....D					.65
Tech. ten lots.....D					.65
UMP, 100 lb bbls.....D			.61	:	.65
Boric , crys, powd 250 lb bbls.....D					.09 1/2
Kaps , 100 lb.....D			.10	:	.10 1/2
Browners , 250 lb bbls.....D					1.25
ACID					
Butyric , 60% pure, 5 lb bot.....D			.55	:	.60
90%.....D			.70	:	.75
C.F. 10 lb bot.....D			1.25	:	1.50
Camphoric USP , VIII 1 lb bot.....D			5.50	:	5.70
Carbolic , USP crys. see also Phenol					
112 lb tin.....D			.36	:	.37
25 lb tin.....D			.38	:	.39
5 lb tin or bot.....D			.30	:	.32
1 lb bot.....D			.35	:	.36
Liquid USP , 1 lb bot.....D			.34	:	.35
Crude , 35% 50 gal bbls.....gal			.33	:	.35
10%, 50 gal bbls.....gal			.37	:	.38
Carbonic , see Carbon Dioxide					
Chloracetic					
Mono 100 lb bbls, wks.....D					.35
Di , 150 lb chgs, wks.....D					1.00
Tri , 5 lb bot.....D					2.50
Chloroacetic , 1500 lb drs, wks.....D			.15	:	.16
Chromic , USP, 200 lb drums.....D					.37
85% Pure, 200 lb drums.....D					.35
Chromotropic , 300 lb bbls.....D					1.35
Chrysanthic , see Chrysanthic					
Citramic , 5 lb cans.....D			2.35	:	2.50
CITRIC , USP, crys, 250 lb bbls.....D					.45 1/2
Powd. , USP, 200 lb bbls.....D					.44 1/2
Imported crys , 112 lb bags.....D			.46	:	.47 1/2
Single bags.....D					.47
Cleve's , 250 lb bbls.....D			.95	:	.97
Cresylic , 95% dark drs NY gal.....D			.57	:	.60
87-99% pale, drs, NY.....gal			.59	:	.62
Crude , spot, drums.....D					
Diethylchloride , Dom., 25 lb lot					
1 lb bot.....D			8.00	:	9.00
Emp. , 10 lb lots.....D			4.00	:	4.18
Formic , 85% tech, 140 lb chgs.....D			.10	:	.10 1/2
90%, 80 lb chgs incl.....D			.10 1/2	:	.11
Gaffic , USP, 150 lb bbls.....D					.44
Gamma , 225 lb bbls wks.....D			1.30	:	1.36
Glycerophosphoric , 25% 1 lb bot.....D			1.85	:	1.95
H , 225 lb bbls, wks.....D			.68	:	.72
Hydrochloric , 10% USP 5 lb bot.....D			.65	:	.70
ACID (Cont.)					
Hydrobromic , 48% coml 155 lb					
chgs, wks.....D			.45	:	.48
48% coml., 10 chgs wks.....D					.45
40% USP, 155 lb chgs, wks.....D					.65
10% USP, 100 lb chgs, wks.....D					.18
Hydrochloric , see also Acid Mariatic					
CP, USP, 110 lb chgs.....D			.07	:	.08
Hydrocyanic , wks, cpl.....D			.90	:	1.00
HYDROFLUORIC , 30% 400 lb bbls					
wks.....D					.08
30% 100 lb chgs, wks.....D					.08
48% single 100 lb chgs, wks.....D					.10
82% 100 lb chgs, wks.....D					.12
82% 10 chgs, wks.....D					.11
60% 100 lb chgs, wks.....D					.14
60% 800 lb drs, wks.....D					.13
White Acid , 100 lb chgs, wks.....D					.26
White Acid , 10 chgs, wks.....D					.25
Hydrofluosulfic , 35% 450 lb bbls					
wks.....D			.10	:	.12
Hypophosphorous , USP 30% 5					
gal. dems.....D					.35
USP , 10% 5 gal. dems.....D					.36
LACTIC , 22% dark 500 lb bbls.....D			.05 1/2	:	.06
22% light, bbls.....D			.06 1/2	:	.07
44% dark, bbls.....D			.11	:	.12
44% light, bbls.....D			.13	:	.13 1/2
66% dark, bbls.....D			.18	:	.18 1/2
66% light, bbls.....D			.26	:	.27
USP , IX 100 lb chgs.....D					.70
USP , VIII 100 lb chgs.....D					.59
Lametta's , 250 lb bbls.....D			.80	:	.85
Metanilic , 250 lb bbls.....D			.80	:	.85
Mixed , Sulfuric-nitric					
Drums , wks.....N Unit			.07 1/2	:	.08
Drums , wks.....B Unit			.01	:	.01 1/2
Tank cars , wks.....N Unit			.06	:	.06 1/2
Tank cars , wks.....S Unit			.008	:	.01
Molybdic , 85% pure 100 lb bags.....D			1.25	:	1.30
100% , C.P. 100 lb bags.....D			1.30	:	1.35
Monoammonium P. Dots , 50 lb					
tins.....D			1.75	:	1.80

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Creosote Creosote Carbonate Ether Iodides
Calomel and other Mercurials
Acid Citric and Citrates Chloroform
Morphine Sulphate and other Morphine Salts
Opium Hypophosphites Phenolsulphonates
Quinine Sulphate and other Quinine Salts
Salicylates Silver Salts Strychnine

WRITE FOR CATALOG OF OUR ENTIRE LIST

POWERS-WEIGHTMAN-ROSENGARTEN CO.

MANUFACTURING CHEMISTS

New York PHILADELPHIA St. Louis

BUTANOL

Research has already opened wide outlets for our products in the
Lacquer, Cellulose and Rubber fields.

Undoubtedly the solvent power, blending effect or some other character-
istic of BUTANOL, ACETONE or derivatives of these products, will make
these relatively new materials useful in many other fields.

Why not use our RESEARCH DEPARTMENT to investigate? If un-
successful, you lose nothing; if successful, we both benefit.

Commercial Solvents Corporation

17 East 42nd St.,
NEW YORK, N. Y.

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TERRE HAUTE, IND.

Plants:—Terre Haute, Indiana and Peoria, Illinois

10a, Featherstone Bldg.,
High Holborn, W. C. I.
LONDON, ENGLAND

Chemicals

ACID

MURIATIC, 30° chys. lb/l		
Wks. ....100 lb	1.60	1.70
Chys. c/l wks. ....100 lb	...	1.35
Tank cars, wks. ....100 lb	...	1.00
18° 120 lb chys.		
c/l wks. ....100 lb	...	1.25
Tank cars, wks. ....net ton	...	...
22° 120 lb chys.		
c/l wks. ....100 lb	...	1.85
Muriatic, CP & USP, see Acid Hydrochloric		
Naphtholene, tech. 250 lb. bbls	.55	.59
Norris & Winther's, 250 lb		
bbls ....100 lb	.95	.99
NITRIC, 36°, 135 lb		
Chys. lb/l wks. ....100 lb	4.75	5.00
Chys. c/l wks. ....100 lb	4.50	4.75
35° lb/l chys. wks. ....100 lb	5.25	5.75
Chys. c/l wks. ....100 lb	5.00	5.25
40° lb/l chys. wks. ....100 lb	5.75	6.00
Chys. c/l wks. ....100 lb	5.50	5.75
42° lb/l chys. wks. ....100 lb	6.25	6.75
Chys. c/l wks. ....100 lb	6.00	6.25
C. P. chys. single wks. ....100 lb	.13	.13
Orville, 300 lb bbls, wks. ....100 lb	.10%	.11
Bbls, NY ....100 lb	.10%	.11
Kap, 100 lb NY ....100 lb	.11%	.11%
Imp, 500 lb cans ....100 lb	.11	.11%
Phenylchlorine, domestic ....100 lb	9.20	9.60
Imported, 5 lb ....100 lb	6.00	6.25
Phosphoric, 50% tech. 150 lb		
chys. ....100 lb	.07	.07%
Syrup USP, 70 lb drums ....100 lb	.15	.16
Demis ....100 lb	.16	.17
Imported ....100 lb	...	.10%
Second Hands ....100 lb	.15	.16
Phthalic, see Phthalic Anhydride		
Picramic, 300 lb bbls ....100 lb	...	.30

ACID

Picric, 450 lb bbls ....100 lb	.26	.27
Bbls. car lots wks. ....100 lb	...	.25
Pyrogallol, crys. 5 lb cans ....100 lb	1.25	1.30
Resublimed, 5 lb cans ....100 lb	1.50	1.60
Tech. powd., 200 lb bbls ....100 lb	...	.85
Salicylic, tech., 125 lb bbls ....100 lb	.33	.34
USP, 100 lb bbls ....100 lb	.34	.35
Second Hands ....100 lb	.33	.34
Sulfanilic, 250 lb bbls ....100 lb	.15	.18
SULFURIC, 66° 180 lb chys.		
lb/l wks. ....100 lb	1.50	1.55
Chys. c/l wks. ....100 lb	...	1.25
1500 lb Drums, lb/l		
wks. ....100 lb	...	1.10
Drums, c/l wks. ....100 lb	...	.80
Tank cars, wks. ....net ton	...	14.00
60° 1500 lb Drums		
lb/l wks. ....100 lb	...	1.00
Drums, c/l wks. ....100 lb	...	.80
Tank cars, wks. ....net ton	9.50	10.00
C.P. 175 lb chys. ....100 lb	.07	.08
Oleum 20 p.e. 1500 lb drums		
lb/l wks. ....100 lb	...	1.40
Drums, c/l wks. ....100 lb	...	1.15
Tank cars, wks. ....net ton	17.00	18.00
Oleum, 40% drs lb/l wks. net ton	...	40.00
Oleum, 60% drs, lb/l wks. net ton	60.00	70.00
Sulfurous, USP 6% 100 lb chys. ....100 lb	.05	.06
4% 100 lb chys. ....100 lb	.04	.05
USP, 5 gal demis. ....100 lb	.06	.08
Tannic, tech. 300 lb bbls ....100 lb	.30	.40
USP, powd. 200 lb bbls ....100 lb	.75	.80
USP, fluffy, 50 lb bbls ....100 lb	.75	.80
Tartaric, USP, crys. 300 lb bbls ....100 lb	...	.39
USP, powd. 300 lb bbls ....100 lb	...	.39
Imp. USP 240 lb bbls ....100 lb	.27%	.29
Powd., 240 lb bbls ....100 lb	.28%	.30%
Tobias, 250 lb bbls ....100 lb	...	.85

ACID

Tungstic, 100 lb kegs ....100 lb	...	1.00
Valeric, C. P., 10 lb bot. ....100 lb	2.50	2.75
Acetone, Alk. crys., 1 oz vis. ....oz	...	30.00
Amorphous, 1 oz vis. ....oz	...	20.00
Adeps Lanase, hydrous 350 lb bbls ....100 lb	.13	.21
Anhydrous, 350 lb bbls ....100 lb	.18	.23
Albumen, Egg. edible ....100 lb	1.20	1.25
Tech. 100 lb drs ....100 lb	.95	1.15
Blood 225 lb bbl ....100 lb	.48	.55
Vegetable ....100 lb	.60	.65
ALCOHOL, USP, 190 pf. 50 gal.		
bbls ....100 lb	4.90	5.00
Second Hands, bbls, USP 190		
pf. ....100 lb	...	...
Export, USP, 190 pf. ....100 lb	.60	.65
Cologne Spirit, 50 gal. bbls ....100 lb	5.00	5.10
W080, see Methanol		
Alcohols also in 50 gal.		
drums extra and returnable		
Butyl, 50 gal drs wks, c/l ....100 lb	.25%	.26%
Drums, lb/l wks. ....100 lb	.26%	.27%
Tank cars wks. ....100 lb	.25%	.26%
Diacetone, 50 gal drs. wks. ....100 lb	...	2.50
Isobutyl, crude, 50 gal drs. ....100 lb	...	...
Refined, 10 lb can ....100 lb	...	...
Isopropyl, Refined, 90-91%,		
50 gal. drs. ....100 lb	1.00	1.25
Ref'd, 98-99%, drs. ....100 lb	1.25	1.50
Propyl nml. ord. 50 gal. drs. ....100 lb	...	4.40
Refined, 10 lb cans ....100 lb	...	.75
Distilled		
No. 1, Complete Denat. 190 Proof		
50 gal bbl. incl. ....100 lb	...	.56%
Car lots ....100 lb	...	.54%
50 gal drums extra ....100 lb	...	.45%
Tank cars ....100 lb	...	.47%
No. 1, Special Denat. 190 Proof		
50 gal. bbl incl. ....100 lb	...	.56%
Car lots ....100 lb	...	.54%

Two profitable

MECCO

Automobile Dressings

MECCO TOP DRESSING

Unequalled for restoring the original freshness and attractiveness to genuine or artificial leather automobile tops. It possesses the great advantage of drying quickly so that the car may be placed in use within thirty to forty-five minutes after application. The regular use of this renewer makes the top last as long as the car.



MECCO TIRE DRESSING

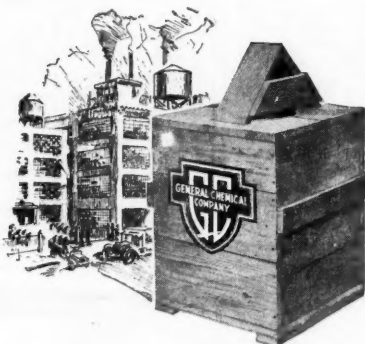
A combined protective and dressing that increases the life of tires. It is especially valuable in the preservation of spare tires, being much superior to a case. This unusual dressing also has the valuable ability to fill up small cuts and abrasions in the tread.

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Rail and Water Facilities
110 William Street
New York



NITRIC ACID

EVEN if there were equals in price and purity, General Chemical Acids would still be preferred by the user for the greater convenience of our patented 12 gallon carboys. They are abuse-proof to the point of having set the standard for strength. And, what is more, they are of a shape and size that can be handled and stored with greater ease.



*The General Chemical Company
specializes in the manufacture of*

SULPHURIC ACID <i>Oil of Vitriol — Oleum — Mixed Acid — Battery Acid</i>	ACETIC ACID <i>Commercial, Redistilled Pure and Glacial</i>	ANHYDROUS BISULPHITE SODA
SODIUM SILICATE	MURIATIC ACID <i>Hydrochloric Acid</i>	DI SODIUM PHOSPHATE
ALUMINUM SULPHATE	SODIUM SULPHIDE <i>Chip Patented</i>	TRI SODIUM PHOSPHATE
GLAUBER'S SALT		INSECTICIDES AND FUNGICIDES

GENERAL CHEMICAL COMPANY

40 Rector Street, New York

Cable Address: Lycurgus, N. Y.

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The Nichols Chemical Co., Ltd., Montreal

Chemicals

ALCOHOL. DENAT. (Cont.)

50 gal drums extra.....gal	49½
Tank cars.....gal	47½
No. 5. Complete Denat. 188 Proof	
50 gal bbl incl.....gal	56½
Car lots.....gal	54½
50 gal drums Extra.....gal	49½
Tank cars.....gal	47½
No. 6. Complete Denat. 188 Proof	
50 gal bbls incl.....gal	55½
Car lots.....gal	53½
50 gal drums extra.....gal	48½
Tank cars.....gal	46½

In addition to the regular authorized formulas for completely denatured alcohol, some 75 formulas for specially denatured alcohol are authorized for special uses. Owing to the limitations of their uses however, prices are quoted by the alcohol producers only to holders of permits allowing the use of specially denatured formulas in products authorized by the Dept. of Internal Revenue.

Aldehyde Ammonia 100 gal drums D	93
Alon, USP, 100 lb casks.....D	85
Alpha-Naphthol crude 300 lb bbls. D	85
Refined.....D	90
Alpha-Naphthylamine, 350 lb bbls. D	35
Ten lots, bbls. wks.....D	35
ALUM, Ammonia, lump 400 lb bbls.	
wks., 1c/l.....D	3.15
Imp., 500 lb casks.....100 lb	3.15
Ground, 400 lb bbls. wks. 100 lb	3.30
Powd. 380 lb bbls. wks. 100 lb	3.55
Chrome, 500 lb cks., wks. 100 lb	3.25
Potash, lump 400 lb bbls.	
wks.....100 lb	3.50
Bbls., c/l wks.....100 lb	3.35
Ground, 400 lb bbls. wks. 100 lb	3.50

ALUMS, Potash (Cont.)

Imp, 350 casks.....100 lb	3.75
Powd., 380 lb bbls. wks. 100 lb	4.80
Chrome, 500 lb cks. wks. 100 lb	5.25
Soda grd. 400 lb bbls. wks. 100 lb	3.75
Bbls. c/l wks.....100 lb	3.50
Aluminum, metal, c/l NY.....100 lb	27.00
Chloride, anhyd. 375 lb drs. D	30
Crystals, 375 lb bbls.....D	0.06½
30% sol. 120 lb cys.....D	0.03½
Hydrate 96% light 90 lb bbls. D	17
Heavy 62-64%, 220 lb bbls D	06
400 lb bbls. wks.....D	06½
Stearate, 100 lb bbls.....D	21½
SULFATE, Iron-free bags c/l	
wks.....100 lb	2.00
Bbls., c/l wks.....100 lb	2.15
Imported, spot.....100 lb	1.70
Comm'l. ½% iron bgs c/l	
wks.....East 100 lb	1.40
Cont. bgs c/l wks. E. 100 lb	1.35
Bags, c/l wks. W.....100 lb	1.40
Bbls., c/l wks. East.....100 lb	1.55
Bulk, c/l cont. wks. E. 100 lb	1.50

Amidol (see Diaminophenol)

Amidopyrine, Imp. 10 lb boxes.....D	4.60
Domestic, 10 lb boxes.....D	4.75
Aminonazobenzene, 110 lb kgs.....D	1.15
AMMONIA, anhyd. 100 lb cyl.....D	30
Water, 26° 800 lb drs. wks.....D	0.06½
Dra. c/l wks.....D	0.06½
C.P., cys.....D	12
Imp., 800 lb drs. incl. spot.....D	0.06½
26° 100 lb cys. 1c/l wks.....D	0.08½
Cys., c/l wks.....D	0.08½
20° 800 lb drs. c/l wks.....D	0.04½
Cys. 1c/l wks.....D	0.05½
18° 800 lb drs. c/l wks.....D	0.04½
Cys. 1c/l wks.....D	0.04½

AMMONIA (Cont.)

18° 800 lb drs c/l wks.....D	0.03½
Cys., 1c/l wks.....D	0.04
Ammonium Acetate, 100 lb bags.....D	43
Bismute, USP, 1 lb bot.....D	1.37
Bisulfide, 300 lb bbls.....D	31
100 lb bags.....D	33
Bromide, 450 lb bbls., 50 lb bbs. D	53
Imported, 112 lb boxes.....D	52
(carb., tech. 360 lb casks.....D	0.08½
Powd., tech. 385 lb bbls. D	0.07½
USP, lump, 100 lb kgs D	11
Powd., 100 lb kgs.....D	13
Chloride, Domestic	
White, 250 lb bbls., c/l.....D	0.07
250 lb bbls., 1c/l wks.....D	0.07½
Imported white 600 lb cks.....D	0.05½
Gray, 250 lb bbls., wks.....D	0.07½
Bbls., c/l wks.....D	0.07½
Imported gray 250 lb casks.....D	0.06½
Lump, 500 lb casks spot.....D	10½
Isobutylate, as to brand.....D	6.85
Iodide, USP, 25 lb jars.....D	5.20
Lactate, 500 lb bbls.....D	15
Nitrate, tech., cys., 225 lb bbls D	31
Refined Crystals, bbls.....D	31
CP gran. 100 lb kgs.....D	37
Orzate, pure, 100 lb kgs.....D	37
Per sulfate, 220 lb bbls.....D	28
Phosphate, dibasic 300 lb bbls. D	38
Tech. powd. 325 lb bbls.....D	18
Phosphate, mono, 325 lb bbls. D	12
Salicylate USP, 100 lb kgs.....D	75
Sulfate bulk c/l wks.....100 lb	2.60
200 lb single bags, c/l wks 100 lb	2.90
200 lb double bags f a s 100 lb	2.55
Sulfocyanide, tech., 100 lb kgs D	40
CP, 25 lb jars.....D	50
Amyl Acetate, tech 50 gal drs. gal	2.70
Refined, 50 gal drums.....gal	3.50
Alcohol, see Fuel oil	4.00



What "GRASSELLI" Insures You

WHEN you tie up to The Grasselli Chemical Co. as your permanent supply base for Aqua Ammonia, you at once assure yourself of these definite factors—

- an old-established house that have been manufacturing chemists since 1839
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- a product that is commercially pure, dry and volatile
- prices that are right.

THE GRASSELLI CHEMICAL COMPANY
Established 1839 CLEVELAND

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St. Paul

AQUA AMMONIA

GRASSELLI GRADE

(A Standard Held High for 86 Years)

Chemicals

ANILINE OIL, 900 lb drums....	.16	.17
Hydro Bromide .....	...	.75
Aniline Salt, 200 lb bbls....	.20	.22
Amatto, fine .....	.41	.43
Anthracene 80-85% 600 lb casks		
wks .....	.60	.65
Anthraquinone, subl 125 lb bbls	1.00	1.15
Antimony metal, slabs ton lots...	.16	.16 1/2
Needle Powd, 100 lb cases..	.18	.18 1/2
ANTIMONY CHLORIDE, anhyd 1000 lb		
dra .....	...	.35
50 lb rocks .....	.45	.48
Sol'n, 130 lb carboys 33°...	...	.06
Oxide, 500 lb bbls .....	.17 1/2	.18
Salt, dom 500 lb bbls .....	.26	.27
Imp. NY .....	...	...
Sulfuret golden 500 lb bbls..	...	.10
330 lb kegs .....	...	.17
Crimson, 500 lb bbls .....	.26	.27
336 lb kegs .....	.27	.28
Vermilion, 500 lb bbls .....	.48	.53
336 lb kegs .....	.50	.52
Tribromide .....	...	1.05
Bromate .....	...	1.50
Farricacetate, 500 lb bbls....	...	.45
antipyrine, USP, 100 lb cases....	1.75	1.90
Apomorphine Hyclide, 1/2 oz. vials	...	22.10
Archil, double 600 lb bbls .....	.13	.14
Triple, 600 lb bbls .....	.16	.17
Conc., 600 lb bbls .....	.18	.20
Arecoline Hybromide, 1 oz. vial...	8.75	10.25
Argols, red powd., 350 lb bbls..	.06 1/2	.07
Arsenic, metal 220 lb kegs .....	...	.45
Red, 224 lb kegs cases .....	.13	.13 1/2
White 220 lb cases to 550 lb		
bbls, NN	0.33 1/2	.04 1/2
Substane, c/l	16.00	18.00
1a/1	20.00	22.00
Aspirin, see Acid acetylsalicylic		
Atropine Alk, USP 1 oz vial...	6.50	7.50
Sulfate, 5 oz cans .....	...	3.50
Single ounce .....	...	3.65

BARIUM BINOXIDE, see Barium Oxide		
Bromide .....	...	.44
Bromate .....	...	.70
Carbonate, precip., 300 lb bbls.		
wks	58.00	58.00
Precip., 200 lb bbs, wks, ton	54.00	56.00
Imports bags, NY	47.00	50.00
Chloride, 800 lb bbls, wks, ton	64.00	65.00
200 lb bbs, wks	63.00	64.00
Imports, large crystals, bbls.		
spot	58.00	60.00
Dioxide, 88% 600 lb dra...	.13	.13 1/2
Import, 86-88% 400 lb dra..	.13	.13 1/2
Hydrate, 500 lb bbls .....	.04 1/2	.05
Iodide, 5 lb box .....	...	5.15
Nitrate, 700 lb casks .....	...	.10
Imports casks .....	.07 1/2	.08
Sulfocyanide, 600 lb bbls .....	.30	.31
Barwood, chips .....	.04 1/2	.05
Barytes, floated 350 lb bbls wks ton	23.00	24.00
Imported	29.00	33.00
Crude, c.l.f. .....	...	9.00
Bay Rum, Porto Rico, genuine		
Medicated salicyl. acid or tartar		
45 gal. bbls .....	.90	1.00
Medicated quinine sulf. 45 gal.		
bbls .....	.90	1.00
Domestic synthetic, 50 gal		
Bbls .....	.75	.77
St. Thomas		
Medicated salicyl. acid or tartar		
emetic, 50 gal bbls...	.90	.95
Benzaldehyde, tech. 945 lb dra.		
wks .....	.70	.75
USP, 40 lb cbya	1.30	1.40
FFC, 40 lb cbya	1.40	1.50
BENZENE, 90% 8000 gal. tanks		
wks .....	...	.24
110 gal. dra wks .....	...	.29
Pure Tanks, wks .....	...	.25
110 gal. dra, wks .....	...	.30
Benzidine Base, dry 250 lb bbls..	.75	.76
Benzidine Sulfate, paste 350 lb		
bbls .....	.70	.72

Benzol, see Benzene		
Benzonaphthol, 5 lb boxes	3.50	3.60
Benzoyl Chloride, 500 lb dra...	...	1.90
Benzyl Acetate, 100 lb cbya	1.55	1.75
Alcohol, 5 lb bot	1.45	1.55
Benzoate, 5 lb bot	1.60	1.75
Medicinal FFC	1.75	2.00
Chloride, 95% tech. 925 lb dra..	...	.25
100 lb cbya .....	.25	.30
Redistil. 160 lb cbya .....	.30	.35
Formate, 1 lb bot	3.25	3.50
Berberine Hyclide, 1 lb bot .....	...	22.50
Sulfate, acid or neut 1 lb bot..	...	22.00
BETA-NAPHTHOL, 350 lb bbls wks	.24	.25
Carlots, wks .....	...	.23
Sublimed .....	.55	.60
Beta-Naphthylamine, tech. 200 lb		
bbls .....	.63	.67
Sublimed, 200 lb bbls .....	...	1.35
Bichloride Mercury, see Mercury Bichloride		
BISMUTH metal, 100 lb cases .....	...	2.95
Second Hands	2.90	2.95
Ammon. Citrate, USP, 5 lb cans..	...	5.30
Betanaphtholate, 5 lb bxs .....	...	3.30
Citrate, USP, 5 lb cans .....	...	5.75
Nitrate, 25 lb jars .....	...	2.00
Oxylchloride, 25 lb bxs .....	...	3.50
Phenolsulfonate, 5 lb cans .....	...	3.05
Salicylate, 25 lb bxs .....	...	1.95
Subcarbonate USP, 25 lb bxs .....	...	3.45
X-Ray diag 1 lb bot .....	...	3.80
Subgallate, USP, 25 lb bxs .....	...	3.80
Subiodide, 5 lb lots .....	...	4.55
Subnitrate, USP, 25 lb jars .....	...	2.75
Second Hands	2.50	2.75
Cones, 1 lb bot .....	...	3.75
Subsalicylate, USP, 25 bxs .....	...	3.05

IODINE PREPARATIONS

BISMUTH PREPARATIONS

OUR PRODUCTS OF HIGHEST PURITY
STANDARD HALF A CENTURY

Orders and inquiries solicited

MALLINKRODT CHEMICAL WORKS

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NEW YORK
PHILADELPHIA

Aero Brand

Yellow Prussiate of Soda



A new method of production ensures the highest purity, in small crystals as well as large.

Raw materials, all of our own manufacture, and large production capacity, guarantee a dependable source of supply, at favorable prices.

Yellow Prussiate of Potash

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511 Fifth Avenue New York

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PRICES CURRENT SECTION

Chemicals

BISMUTH (Continued)

above on basis 25 lb lots		
Smaller lots at an advance		
Tri-Bromophenol	lb	4.00
Blanc Fixe, dry 400 lb bbls. wks. ton	60.60	96.00
Imported, bbls.	ton	72.00
Paste, 450 lb bbls.	ton	55.00
BLEACHING POWDER, 700 lb drs.		
e/l wks.	100 lb	2.00
Drums, 1c/l ex-warehouse	100 lb	2.35
Contract, e/l wks.	100 lb	1.90
Drums, 1c/l wks.	100 lb	2.15
Imported spot	100 lb	1.90
Blood, dried, f.o.b. NY	unit	3.00
Chicago	unit	4.50
S. Am. shipment	unit	4.15
Blue ointment, see Mercury		
Blues, bronze Chinese, Millot,		
Prussian, Soluble	lb	.33
Blue vitriol, see Copper Sulfate		
Bone, 8 & 50 gr, steam, Cgo unit		32.50
Raw NY	ton	35.00
Bone Ash, 100 lb bags	lb	.08
Black, 200 lb bbls.	lb	.08
Borax, crys, 400 lb bbls.	lb	.05%
Powdered, 300 lb bbls.	lb	.05%
Kaga, 100-150 lb	lb	.05%
Bordeaux Mixture, 16% pd. bbls. lb		.11%
Paste, bbls.	lb	.08
Borneol, See Aromatic Chemicals		
ceramstone, see Sulfur		
(Freight allowed)		
British Gum, com. e/l	100 lb	5.02
le/l	100 lb	5.12
Potatoes, le/l	lb	.09
Bromide, see potam. bromide, etc.		
Bromine, bot. in 50 lb cs. wks.	lb	.45
Bromobenzene, 500 lb drums	lb	.40
Bromoform, USP, 5 lb bot cs.	lb	1.65
crystalline Alkaloid, 100 cs.	cs	.10
Sulfate, 100 cs.	cs	.10
Buster of Antimony, see Antimony Chloride		
Butyl Acetate, tank cars, wks.	gal	2.35
Drums, e/l wks.	gal	2.37

CADMIUM, metal 100 lb hrs.	lb	.70
Bomide, 50 lb cases jars wks lb		1.15
Iodide, 10 lb bot.	lb	4.45
Sulfide, cs	lb	1.20
CAFFEINE ALK, USP 5 lb cans.	lb	3.75
Second Hands	lb	3.50
Hydrochloride, 1 lb bot.	lb	6.05
Sulfate, 1 lb bot.	lb	5.40
Citrated, 25 lb cans.	lb	2.70
Hydrobromide, 1 lb bot.	lb	4.85
CALCIUM, Acetate, 150 lb bgs e/l		
100 lb	lb	2.75
Arsenate, 100 lb. bbls e/l wks lb		.07
Bromate	lb	1.50
Bromide, 100 lb cs.	lb	.60
Carbide, 220 lb dr, e-l wks.	lb	.04%
Carbonate tech. 100 lb bags		
e/l	100 lb	1.00
USP, precip. 175 lb bbls.	lb	.06%
Chloride, soda. 550 lb drs. e/l		
f.o.b. wks	ton	21.00
Imp	ton	19.00
Flake, 375 lb drs, e/l drs. f.o.b.		
wks.	ton	27.00
Amhyd, 350 lb drs f.o.b. NY ..	lb	.18
Glycerophosphate, 250 lb bbls.	lb	1.40
Hydrate, see Lime		
Hypophosphite, USP, 25 lb cans lb		.60
Iodide, 5 lb bot.	lb	4.40
Lacate, tech, 500 lb bbls	lb	.35
USP.	lb	.50
Nitrate, 220 lb bbls. e/l NY ton		50.00
Phosphate tech. 450 lb bbls lb		.09
Phosphate, precip. tribasic, 200 lb		
bbls., wks.	lb	.11
Phosphate, mono, 325 lb bbls. lb		.07
Sulfocarbonate, 100 lb bags	lb	.85
CAMPOR, Amer. ref. 250 lb		
bbls.	lb	.84
2 1/2 lb slabs, 100 lb cs.	lb	.85%
1 lb cakes, 100 lb cs.	lb	.85%
1 oz. tab., 1 lb cans.	lb	.89
100 lb cs.	lb	.90
100 lb cs.	lb	.90

CAMPOR (Cont.)

Jap. ref., 2 1/2 lb slabs, 100 lb		
oz.	lb	.71
1 oz. tab., 100 cs.	lb	.90
tin.	lb	.92
1/2 oz. tab., 100 lb cs., 1 lb		
tin.	lb	.92
Chinese ref. 2 1/2 lb slabs 100 lb		
cs. lb	lb	.54
Crude, 100 lb cs.	gal	2.30
Campor, liniment, bbls	gal	1.85
Campor, liniment, 100 lb cs.	lb	.09
Campor, chips	lb	.85
Caramel, 50 gal bbls.	gal	.50
Carbon Black, 500 lb drs 1c/l NY lb		.06
e/l drums, NY.	lb	.05%
Carbon Black, e/l wks. bgs.	lb	.07
100-300 lb cases 1c/l NY.	lb	.11
Carbon Dioxide, Liquid, 20-25 cy. lb		.06
Carbon Tetrachloride, 1400 lb drs.		
NY	lb	.07
Drums, e/l NY.	lb	.08%
100 lb drs, single NY.	lb	.08%
Carmin, No. 40, 5 lb boxes	lb	4.50
Casene, editb, 100 lb kgs.	lb	.45
Tech. Imp. 200 lb bbls.	lb	.12%
Tech. Dom.	lb	.13
100 mesh	lb	.16%
Castoreum, See Aromatic Chemicals, Perfumers, Sun-		
drum		
Castor Oil, USP, 50 gal bbls.	lb	.17
Cases, 80 lb 2 tins.	lb	.18
Tech. see Fixed Oils		
Caustic Potash, see potash, caustic		
Soda, see soda, caustic		
Cellulose Acetate, 100 lb cases.	lb	2.00
Cerium Oxalate, USP 100 lb bags lb		.35
Chalk, drop 175 lb bbls.	lb	.03%
Precip. light 250 lb csks.	lb	.04%
Precip. heavy 560 lb csks.	lb	.02%
Bulk	ton	5.00
Precip. English, 7 lb bags.	lb	.07%
Precip. heavy 560 lb csks.	lb	.03%

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Chemicals

CHARCOAL (Cont.)			Cinchonidin Sulfate, 100oz tins.oz	...	35	Colchicine alk. USP, 1 oz. vial..ov	...	30.07
Wood, powd., 100 lb bbls....D	.04	.05	Remale, 1000 oz. lots.....oz	...	39	Salicylate, 1 oz. vial.....oz	...	15.07
Willow, powd., 100 lb bbls....D	.05%	.06	Cinchonine alk. powd. 100 oz. tins	...		Collodion USP 30 lb drms.....D	...	.23
Chestnut, clarified, 25% tis, wts.D	.015%	.02	Crystal	...	.43	COPPER metal electrolytic c/l		
Bbls., wts. ....D	.02%	.02%	Sulfate 100 oz tins.....oz	...	.25	NY	100 lb	14.12 1/2 : 14.25
Powd., 60% 100 lb bags, wts. D	.05%	.05%	Citric Acid, see Acid Citric	...		Lake c/l NY	100 lb	14.12 1/2 : 14.25
Decolorized, bags, wts.....D	.06%	.07	Citricine Ointment, see Mercury	...		Casting, c/l NY	100 lb	14.00
China Clay, Dom. ....ton	6.00	9.00	Coal Tar, See Tars	...		Carbonate 400 lb bbls.....D	...	.16% : .17%
Washed & Ground, wts.....ton	11.00	15.00	Cobalt metal, 100 lb kegs.....D	2.50	3.00	Chloride, 250 lb bbls.....D	...	.26
Imp., Filler Clay ....ton	16.00	23.00	Cobalt Oxide, 500 lb bbls.....D	...	3.10	Cyanide, 100 lb drs.....D	...	.48 : .50
Coating .....ton	20.00	25.00	10 lb tins, 200 lb cases.....D	...	3.20	Iodide, 5 lb bot. ....D	...	5.65
Chloral Hydrate, USP 100 lb drs. D	.60	.65	COCAINE alk., USP, 1 oz. vial..oz	...	10.57	Oxide, red 1000 lb bbls. ton lots.D	...	.16% : .17
25 lb jars .....D	.68	.70	Hydrochloride, USP—1 oz. vials.	...		Sub-Acetate, verd. 440 lb bbls.D	...	.21 : .22
Chinoidin, 140 lb drs.....D	...	.40	25 oz.....oz	...	8.07	SULFATE, crys. 450 lb bbls. ie/l		
Chloramine-T, 200 lb bbls.....D	1.85	1.50	In 1/2 oz. vials .....oz	...	8.50	spot	100 lb	4.40 : 4.50
Chlorocane, 5 lb bot. ....D	.55	.65	In crystals, granular, powder,	...		Carlota bbls delivered 100 lb	...	4.30 : 4.40
Chlorhydrin, Ethylene anhyd. 600 lb	...		or flaky crystals as desired.	...		Carlota bbls FOB NY 100 lb	...	4.30 : 4.40
drums .....D	.75	.85	Cocoa Butter, bulk, 200 lb bales	...		Imp. 550 lb cals spot.....100 lb	...	
40% soln. 100 lb cys.....D	.25	.30	c/l .....D	...	.31	Powdered, 350 lb 5 bbls 100 lb	...	5.60
CHLORINE, Liquid 2000 lb cyl.	...		Fingers, cakes, etc 12 lb bxs 10	...	.36	Copperas, bulk, c/l wts.....ton		
c/l wts. ....D	...	.04%	CODEINE, alk., oz. vials. 10 oz.	...		200 lb bbs., c/l wts.....ton	...	13.00
Tank car lots, wts. Contract.....D	...	.04	lots	...	9.87	400 lb bbls, c/l wts.....ton	...	16.00
100 lb cyl. c/l wts.....D	.05%	.05%	Hydrobromide, 1 oz. vials, 10 oz.	...		400 lb bbls, c/l wts.....ton	...	17.00
100 lb cyl. ie/l wts.....D	.07	.08	lots	...	7.92	Powdered, bbls. ....100 lb	...	1.90 : 2.00
100 lb cyl. ie/l ex-warehouse.....D	.08	.09	Hydrochloride, 1 oz. vials, 10 oz.	...	7.42	Sugar, 400 lb bbls.....100 lb	...	1.25 : 1.35
Chlorobenzene, mono. 100 lb drs.	...		lots	...	8.87	Corn Syrup, 42 deg. 50 gal.		
wts. ....D	.08	.10	Nitrate, 1 oz. vls. 10 oz. lots.oz	...	7.42	bbls	100 lb	4.21
Dra. c/l wts. ....D	...	.07%	Phosphate, 1 oz. vials, 10 oz.	...	7.42	43 deg. 50 gal. bbls.....100 lb	...	4.26
Tank car lots wts.....D	...	.07%	lots	...	7.42	44 deg. 50 gal bbls.....100 lb	...	4.33
CHLORFORM, USP, 50 lb drs. D	...	.30	Saltglate, 1 oz. vials, 10 oz.	...	7.42	45 deg. 50 gal bbls.....100 lb	...	4.40
Second Hands, 650 lb drs. D	.25	.27	lots	...	7.92	Corn Sugar, see Glucose		
Technical, 650 lb drums.....D	...	.28	Sulfate, 1 oz. vls. 10 oz. lots.oz	...	7.92	Cotton Soluble, 100 lb bbls. wet. D	...	.40 : .42
Chlorophyll, Oil Sol. ....D	2.50	2.75	Small diss. 1/2 oz. vials. 50c extra,	...		Cottonseed, Meal, 7% .....ton	32.00	35.00
Water Sol. ....D	2.75	4.00	3/4 oz. 30c extra, angles 7c extra	...		Coumarin, 25 lb tins 100 lb.....D	3.10	3.25
Chromium Acetate, 20° soln. 400 lb	...	.05%	per oz.—25 oz. lots, 10c oz. cheaper	...		Second Hands .....D	3.10	3.25
bbls. ....D	.24	.26	than above. Low than 10 oz. 15c oz.	...		CREAM TARTAR, USP, 300 lb		
Fluoride, Powd., 400 lb bbls....D	.26%	.28	higher than above	...		bbls.	...	.22 : .23%
Bromine, Greens, CP .....D	.06%	.11	COOLIVER OIL, Norw.—can., 30 gal	...	35.50 : 37.00	Imp. powd. USP, 224 bbls....D	...	.21% : .22
Chrysarobin, Powd., 400 lb bbls. D	5.25	5.35	bbls	...		Cresote, USP, 42 lb cys.....D	...	.40 : .42
Cinchonidin alk., powd 100 oz. tins.oz60		...		Carbonate, 100 lb., 50 lb.....D	1.90	1.90
Crystaloz	.65	.68		...		Cresote Oil, 50 gal. drs.....D26 : .30

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Chemicals

Cutch, Bangon, 100 lb bales... D	...	32	Gover's Powder, USP 5 lb tin... D	2.30	1.30	Feldspar, bulk ton	20.00	25.00
Borneo, solid, 100 lb bales... D	...	.03%	Duboisine Sulfate, 1 ea. vial... cs	...	30.07	FERRIC CHLORIDE, tech. crys.		
Liquid, 450 lb bbls. D	...	.09	EARTH, Diatomaceous, see Kieselguhr			475 lb bbls. D	.07%	.10
Tablets, 120 lb boxes D	...	.13	Egg Yolk, 150 lb cs. D	.48	.50	Imported D	.04%	.05
Cyanamide, bulk, c/1 wks, Amm, unit	1.87%	2.00	Kmetine alk., 15 gr. vials... cs	...	1.30	C.P. crys. 100 lb bags D	...	.10
Imp Amm unit	2.00	2.30	Hydchlide, USP, 1 ea. vial... cs	17.00	17.57	Imported D	.08	.08½
Cyclohexanol, see Hexanol			15 gr. vials cs	...	.83	Neut. sol'n 42° 140 lb clys... D	.06%	.07
Cymene, see Para-Cymene			EPSON SALT, tech. 300 lb bbls.			46° 140 clys... D	.08	.08½
Dextrin, white corn 140 lb bgs.			NY 100 lb	...	2.15	USP Sol'n 125 lb clys... D	.06%	.07
c/1 100 lb	...	4.07	Bbls. c/1 NY 100 lb	...	2.00	Ferric Bromide, sol'n D	...	.55
Canary 100 lb	...	4.72	100 lb c/1 NY 100 lb	1.50	1.75	Ferrous Bromide, sol'n D	...	.55
bags 1c/1 100 lb	...	4.75	Imp., 220 lb bgs. c/1			Chloride, crys tech 475 lb bbls D	.06	.06½
Potato, 220 lb bags 1c/1... D	...	.07%	NY 100 lb	1.23	1.28	Ferrous sulphos. 1000 lb bbls. 100 lb	2.50	3.00
Yellow, 220 lb bags... D	...	.07%	USP, 300 lb bbls. 10 bbls. 100 lb	...	2.50	Fish Scrap, dried wks unit	4.35	.10
Tapoca, 200 lb bags, 1/1... D	...	.08	Carlots, bbls. 100 lb	2.00	2.25	acid milk 7 a 8½, Dair		
DIAMINOPHENOL, 100 lb kgs... D	...	3.80	Imported, 400 lb bbls. 100 lb	1.85	1.90	Norfolk & Salt basis, unit	4.00	.50
Dianisidine, 100 lb kgs... D	...	3.50	100 lb kgs 100 lb	2.00	2.25	Flake-White, see lead white		
Diethyl Phthalate, wks. D	...	.45	Ergotin, Bonjean, 1 lb jars... D	6.00	6.38	Flavine, Lemon D	.90	.95
Dichlorobenzene, 1000 lb drs... D	...	.08	Kerline alk., 1 ea. vial... cs	...	30.07	Orange D	.85	.90
Diethylamine, 400 lb drs... D	...	2.25	Salicylate, USP, 1 ea. vial... cs	24.00	24.50	Fluor spar, 95% 220 lb bags, ex-		
Diethylamine, 850 lb drs... D	...	.59	Sulfate, USP, VIII, 1 ea. vial... cs	18.00	18.50	dock ton	...	25.00
Diethylorthotolylguanidine 300 lb			ETHER, USP, 55 lb drums... D	.15	.16	98% bgs. ton	...	33.50
bbls. wks. D	1.10	1.13	Anaesthesia, 55 lb drums... D	...	.19	98% bgs. ton	...	35.00
Diethyl Carbonate, drms., gal	2.00	2.25	USP, 1880 55 lb drums... D	...	.45	FORMALDEHYDE, USP 400 lb bbls.		
Diethyl Phthalate, 25 lb cans... D	...	.40	Washed, 55 lb drums... D	...	.37	c/1 wks. D	.08%	.09
1000 drs. D	...	.35	Motor 1 lb cans D	.28	.31	Bbls, 400 lb 1c/1 wks... D	...	.09%
Diethyl Sulfate tech. 50 gal. drs... D	...	.30	Ether, Nitrous, 1 lb bot. D	.90	.95	Formaldehyde Aniline 100 lb drms D	.40	.42½
CP drums D	...	.40	Ethyl Acetate, 99% 50 gal. drs. gal	1.15	1.18	Wool Flour D	.02%	.04
Digitalin, Pure, 1 ea. vial... cs	0.75	10.25	85% Ester, 100 gal. drs... gal	...	.90	Formaniline D	.38	.40
Dimethylamine, 840 lb drs wks... D	...	.32	Carlots, drums D	...	.87	Fuller's Earth, 300 lb bgs. c/1		
Dimethylamine, 400 lb drs... D	...	2.80	Tanks Cars gal	1.73	1.85	Imported, 230 lb bgs, NY... ton	15.00	17.00
Dimethylsulfate, 100 lb drs... D	...	.50	Refined, drums gal	...	.50	Furfural, 300 lb bbls D	.23	.25
Dinitrobenzene, 400 lb bbls... D	14½%	15½%	Bromide, 115 lb drs D	...	.26	Fusel Oil, 10% Impurities, drs gal	2.35	2.65
Dinitrochlorobenzene, 400 lb bbls. D	.15	.18	Chloride, 200 lb drs., 15 lb cyl. D	.26	.35	Refined D	3.50	4.00
Dinitrochlorine, 300 lb bbls... D	.18	.19	Methyl Ketone, 50 gal. drs... D	.27%	.38	Furitic, solid 50 lb boxes D	.20	.23
Dinitronaphthalene, 350 lb bbls. D	.33	.34	Morphine, see Morphine, Ethyl			Cryals, 100 lb boxes D	.30	.32
Dinitrophenol, 350 lb bbls... D	.32	.35	Ethyl Benzyl Aniline, 300 lb drs. D	1.05	1.10	Liquid, 51°, 800 lb bbls... D	.10	.12
Dinitrotoluene, 300 lb bbls... D	.18	.19	Ethylene Bromide, 600 lb drs... D	...	.70	Furitic, sticks ton	30.00	32.00
Dionin, see Morphine, Ethyl			Chlorhydrin, anhyd. 50 gal. drs. D	.75	.85	Chips D	.04	.05
Diorthotolylguanidine, 275 lb.			40% Solution, 50 gal. bbls. D	.35	.30	G. SALT, paste 350 lb bbls basis		
bbls. wks. D	...	1.15	Dichloride, 50 gal. drs... D	.30	.35	10% D	.50	.52
Diphenylamine D	.48	.50	Glycol D	.50	.60	Gall extract D	.20	.21
Diphenylguanidine, 5,000 lbs.			Tri Chloride D	10½%	11½%			
100 lbs D	.95	.98	Ethylidenaniline D	...	.65			
Divi Divi Extract D	.04	.04½	Eucalyptol, 35 lb cans D90			
Divi Divi, pods bags ton	53.00	55.00						

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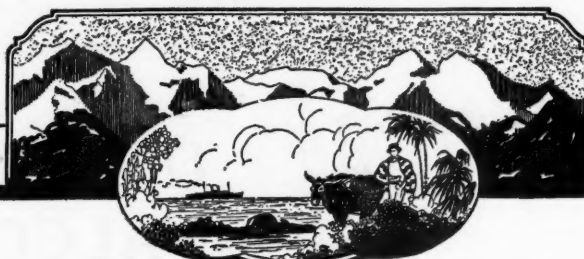
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Chemicals

Gambier, 25% liq. 450 lb. bbls. D	.14	: .15	HEMATINE, Paste, 500 lb. bbls. D	.09	: .12	Iodine Tinct. USP, 50 gal. bbl. gal	4.65	: 4.70
Common, 200 lb. cases. D	.19 1/4	: .20	Crystals, 400 lb. bbls. D	.12	: .20	Carboys. Second Hand. gal	4.70	: 4.75
Singapore cubes, 150 lb. bags. D	...	: .23	Hemlock, 25% 600 lb. bbls. wks. D	.03 1/4	: .03 1/4	Iodoform, powd., 10 lb. bot. D	4.45	: 4.65
Gelatin, USP silver lbl. 100 lb. can D	.80	: .85	Hemlock, bark. 50 gal. drs. wks. gal	...	: 20.00	Crystals, 10 lb. bot. D	...	: 6.00
Gold Label, 100 cases. D	...	: 1.00	Hexalene, 50 gal. drs. wks. gal	...	: 4.75	Iridium, metal 10 oz. lots. D	...	: 260.00
Technical, 100 lb. cs. D	.45	: .50	Hexamethylenetetramine, USP	...	: .62	Iron, metal by hydrogen 1 lb. bot. D	...	: .75
GLAUBER'S SALT, tech. 200 lb. bags	...	: 1.10	100 lb. drums. D	.60	: .62	IRON & AMM. CITRATE, USP 50 lb	...	: .69
e/l wks. D	1.10	: 1.20	Imported Rubber Makra, Impalp. Pd.	...	: .63	Green scales, 500 lb. D	...	: .69
le/l wks. D	1.35	: 1.45	Homatropine Hydrobrom. USP 1 oz.	.82 1/4	: .85	Bromide. Cacoilate, 100 lb. bot. D	1.10	: 1.22
350 lb. bbls., e/l wks. D	1.25	: 1.35	Five ozs., 1 oz. vials. D	...	: 1.65	Citrate, USP VIII 25 lb. cans. D	7.50	: 7.60
Hbls. le/l wks. D	1.50	: 1.60	Hydrastine Alk., USP, 1 oz. vials. D	...	: 13.50	Chloride, see Ferric or Ferrous	.94	: 1.01
Imported, bags, NY D	.85	: .90	Hydchlride, USP, 1 oz. vial. D	...	: 17.07	Hypophosphite, 5 lb. cans. D	1.55	: 1.60
USP, 300 lb. bbls. imp. sp. 100 lb D	...	: 1.75	Sulfate, 1 oz. vial. D	...	: 18.07	Syrup USP 5 lb. bot. D	.35	: .36
USP, 300 lb. bbls. dom. sp. 100 lb D	...	: 1.75	Hydrastine Hydchlride, USP 15 gr.	...	: 30.07	Iodide, 1 lb. bot. D	...	: 4.25
USP, 300 lb. bbls. e/l wks. 100 lb D	...	: 1.40	Hydrastine vials. D	...	: 14.57	Syrup, USP, 5 lb. bot. D	.35	: .36
Calcined, see Sodium Sulfate	...	: 4.04	Hydrobenzoin 100 lb. kgs. D	...	: .34	Nitrate, kgs. D	.09	: .10
Glucose, (Grape Sugar) dry, 100	4.04	: 4.29	HYDROGEN PEROXIDE, 25 vol. 400 lb	...	: .07 1/2	Com'l, bbls. D	2.50	: 3.25
70° bags, e/l NY. 100 lb D	4.16	: 4.35	bbls. D	.07	: .07 1/2	Oxalate scales, 25 lb. cans. D	.97	: 1.00
Syrup, Drs. & bbls e/INT. 100 lb D	4.26	: 4.45	100 vol. 140 lb. chys. D	.34	: .37	Oxide, red, Spanish. D	.02 1/4	: .03 1/4
le/l NY. 100 lb D	4.26	: 4.45	USP Soln. 375 lb. bbls. D	.04	: .05	English. D	.10	: .12
SLWE, pure white, bbls. D	.32	: .36	100 vol 145 chys. D	...	: .48	Perehloride, see Ferric Chloride	...	: .40
Medium white, bbls. D	.30	: .34	USP bot. 4 oz. cases. D	7.75	: 8.00	& Ammon. Oxalate, 25 lb. bxs. D	.07	: .40
French, bbls. D	.18	: .35	Bot. 8 oz. cases. D	11.10	: 12.00	& Potassium Oxalate, 25 lb. bxs. D	.41	: .44
High Grade, bbls. D	.35	: .40	Bot. 16 oz. cases. D	18.25	: 19.00	& Sodium Oxalate, 24 lb. bxs. D	.32	: .35
Bone, regular, bbls. D	.10	: .12	Hydroquinone, 100 lb. kgs. D	1.40	: 1.50	Phosphate, USP, 50 lb. D	...	: .69
Fish, bbls. D	1.50	: 1.75	Hyoscin Hydrobrom, USP 1 oz.	...	: 13.57	Pyrophosphate, USP, 50 lb. D	...	: .74
Hide bbls. D	.14	: .24	vial. D	...	: 13.57	JALAP RESIN, lump, 5 lb. tins. D	...	: 4.00
GLYCERIN, C, F, 550 lb. drums. D	...	: .19	Five oz., 1 oz. vial. D	13.07	: 13.57	Powd., tins. D	...	: 4.65
Cane, 50 lb. D	.30	: .32	Hyoscyamine Alk Cryst, 1 oz. vial. D	...	: 25.07	KIESELGUHR, 95 lb. bags NY. D	60.00	: 70.00
Dynamite, 100 lb. dr. D	...	: .19	Alkaloid, Amorphous. 1 oz. vial. D	...	: 75.07	LANOLIN, see Adeps Lanæ	...	: .04
Saponification, tanks. D	...	: .14 1/4	Hydrobromide, USP, 1 oz. vial. D	...	: 35.07	Larch, 25%, 600 lb. bbls., wks. D	.03 1/4	: .04
Soap, Lye tanks. D	...	: .12 1/2	Sulfate, 1 oz. vial. D	...	: 25.07	Powd., 100 lb. bags, wks. D	.07	: .08
Gua Powder, see chrysaridin	...	: 15.00	Hyperic, 51°, 600 lb. bbls. D	...	: .07	LEAD, metal e/l NY. D	.08	: .08 1/4
Graphite, crude, 220 lb. bags. D	15.00	: 35.00	Hyperic, chips. D	.06 1/4	: .07	Acetate, white crystals, 500 lb	...	: .15
Flake, 500 lb. D	.05	: .09	IODINE, crude, 200 lb. kgs. D	4.21	: 4.23	bbls., wks. D	.14 1/4	: .15
Ground, lump, bbls. D	.04	: .05	Iodides, see Potass. Iodide, etc. D	1.28	: 1.30	100 to 250 lb. kgs, wks. D	...	: .15 1/4
Guaiacol liquid, USP, 25 lb. cans. D	2.30	: 2.35	Indigo, Macras, bbls. D	.15	: .16	White, broken, bbls., wks. 100 lb	14.25	: 14.75
Benzoate, 1 lb. bot. D	...	: 13.00	Indigo, 20% paste, drums. D	...	: 4.30	White, gran. bbls., wks. 100 lb	16.00	: 16.50
Carbonate, 5 lb. boxes. D	2.75	: 3.00	Resublimed, 10 lb. jars. D	4.65	: 4.70	White, powd. bbls wks, 100 lb	...	: 16.00
Second Hand. D	2.15	: 2.75	...	...	...	Brown, broken, bbls., wks. D	.14 1/4	: .15
HAARLEM OIL, Dom. 6 gr. oz. gr	...	: 3.25	...	...	...	...	...	...
Imported, 5 gr. cases. D	3.75	: 4.00	...	...	...	...	...	...
Halazone, 5 lb. bot. D	2.75	: 3.25	...	...	...	...	...	...



YELLOW PRUSSIAN POTASH FORMIC ACID

Soda Cyanide
Cream of Tartar
Bleaching Powder

Sal Ammoniac
Glauber Salts
Epsom Salts, tech.

EUGENE SUTER & CO., Inc.

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Manufacturers Agents

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Chemicals

LEAD ACETATE (Cont.)			LITHOPONE (Continued)			MANGANESE DIOXIDE (Cont.)		
USP, 100 lb kegs.....	D	.19	Imported, 400 lb bbls.....	D	.05%	Hydrated, precip. 100 lb kegs.....	D	.15
Arsenate, 100 lb kegs.....	D	.13	Litmus Cubes.....	D	.90	Glycerophosphate, 5 lb tins.....	D	2.90
Bbls. c/l wks.....	D	.12%	Logwood, 51°, 600 lb bbls.....	D	.08%	Hypophos USP VIII 5 lb vials.....	D	1.35
Bbls., 1c/l wks.....	D	.13	Lower grades.....	D	.07	Iodide, 1 lb bot.....	D	6.65
Paste, 100 & 600 lb bbls.....	D	.08	Solid, 50 lb boxes.....	D	.12	Ora. bulk, NY.....	D	.43
Iodide, USP, VIII 5 lb bot.....	D	3.20	LOGWOOD, sticks.....	ton	23.00	Sulfate, 600 lb casks, NY.....	D	.07
Nitrate, 500 lb bbls. wks.....	D	.12	Chips, 150 lb bags.....	D	.03	Mangrove, 55% 400 lb bbls.....	D	.04%
Oxide, litharge, 500 lb bbls.....	D	.11	Laminal, see Phenylethylmalonylurea			Mangrove bark, African.....	ton	nom.
100 kegs, wks.....	D	.14	Madder, Dutch.....	D	.28	Shipment.....	ton	44.00
Oxide, red, 500 lb bbls, wks D	D	.11%	MAGNESITE, crude.....	ton	12.00	Marble Flour, bulk.....	ton	10.60
100 lb kegs, wks.....	D	.15%	Calcined, 500 lb bbls.....	ton	48.00	See also Calcium Carbonate		
Peroxide, 100 lb dra.....	D	.25	Magnesium, mtl. sticks 100 lb cs f.o.b.			MENTHOL, USP, 60 lb cases.....	D	11.25
White, basic carb. 500 lb bbls			wks.....	D	.90	Low case, 5 lb tins.....	D	12.25
wks.....	D	.10%	Bromide.....	D	1.50	Synthetic.....	D	8.00
100 lb kegs, wks.....	D	.15%	Carb. tech. 70 lb bags NY.....	D	.06%	MERCURY, metal, 75 lb flasks, flask	D	84.00
White, sulfate 500 lb bbls. Wks D	D	.09%	75 lb bbls. NY.....	D	.09	Low Flasks, 5 lb jugs.....	D	1.20
Lauric Ert. Mass. cases.....	D	.25	USP, 100 lb bbls.....	D	.09%	Bichloride, cryst. 25 lb bxs.....	D	1.20
Compound powder, bbls.....	D	.11	USP, blocks 100 lb ca. 1, 2, 4	D	.17	Gran. powd. 200 lb kegs.....	D	1.10
Powdered.....	D	.38	ca.....	D		Bisulfate, 25 lb boxes.....	D	1.10
Sticks, 1 ca. 100 lb cases.....	D	.45	Chloride, fused 575 lb dra. c/l			Rhus Mass. 25 lb boxes.....	D	.71
LIME, (Salts, see Calcium Salts)			wks.....	ton	34.00	Powdered, 25 lb boxes.....	D	.73
Ground Stone, bags.....	ton	4.50	Flaked, 350 lb dra. wks c/l ton		38.00	Blue Ointment, USP, 25 lb cans		
Live, Bulk.....	ton	8.50	Imp. fused 900 lb bbls NY ton		28.00	50%.....	D	.94
Live, 325 lb bbls. ton lots			Fluocillate, crystals 400 lb bbls			USP, dilute 25 lb cans 30% D	D	.71
wks. 100.....	D	1.05	wks.....	D	.12	33 1/3% Mercury.....	D	.80
Single bbl., wks.....	D	1.08	30% soln. 500 lb bbls wks D	D	.07	Calomel, 50 lb bxs.....	D	1.37
Hydrated, 167 lb bbl. ton lots			Soln. bbls, c/l wks.....	D	.06	Citrus Ointment, 25 lb jars.....	D	.54
wks.....	D	.85	Glycerophosphate, 5 lb tins.....	D	3.25	Iodide, green 25 lb jars.....	D	4.10
Single bbl. wks.....	D	.91	Hypophosphite, 5 lb cans.....	D	1.20	Red, USP, 25 lb jars.....	D	4.20
Oyster Shell, 150 lb bbl sing. D	D	.08%	Oxide, USP light, 100 lb bbls.....	D	.43	Yellow, USP, VIII 25 lb jars.....	D	4.10
Sulfur, dry 200 lb dra NY D	D	.08%	USP, heavy, 250 lb bbls.....	D	.50	Oxide, Yellow, USP, 25 lb bxs.....	D	2.00
Dra. c/l NY.....	D	.68	Peroxide, 5 lb cans.....	D	2.40	Tech.....	D	1.43
33° Soln. 50 gal bbls N Y gal		.15	Perborate, 1 lb tins.....	D	2.63	Red Precip. USP, 25 lb bxs.....	D	1.48
Linoleol, 5 lb bot.....	D	6.25	Sulicylate, 100 lb kegs.....	D	.75	Powder, USP, 25 lb bxs.....	D	1.58
Litharge see lead oxide			Sulfate see Epsom Salts			White Precip. USP, 25 lb bxs.....	D	1.59
Lithium Carb. USP, 100 lb kgs.....	D	1.45	Manganese Borate, 30%.....			Powdered, USP, 25 lb bxs.....	D	1.64
Bromide, 100 lb ca.....	D	1.80	200 lb bbls.....	D	.24	With chalk, USP, 25 lb bxs.....	D	.71
Citrate, USP, 100 lb kegs.....	D	1.70	100 lb kegs.....	D	.25	Meta-Nitroaniline.....	D	.77
Iodide, 5 lb bot.....	D	548	Chloride, 600 lb casks.....	D	.06	Meta-Nitro-para-Toluidine, 300 lb		
Lithopone, 400 lb bbls, 1c/l wks D	D	.06%	Dioxide, 80-84% 900 lb bbls.			bbls.....	D	1.90
Bbls, c/l wks.....	D	.05%	NY.....	ton	80.00			2.00
Bags, c/l wks.....	D	.05%	85-90% 900 lb bbls. NY ton		85.00			

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Meta-Phenylenediamine, 300 lb			MORPHINE (Cont.)			Nitrobenzene, crude, 1000 lb dr.		
bbis	..... lb	.90 : .95	Acetate, 5 ea. tin 10 ea. lots	... : 7.35		Redistilled, 1000 lb dr. wks.	.90 : .90 1/2	
Meta-Toluylenediamine, 300 lb			Hydrobromide, 5 ea. tin 10 ea. lots	... : 7.35		Nitrogenous Material	unit 3.60 : 3.65	
bbis	..... lb	.73 : .77	Hydride, 5 ea. tin 10 ea. lots	... : 7.35		Nitronaphthalene, 550 lb bbls	.90 : .91	
METHANOL (Wood Alcohol)			lots	... : 7.35		Nitrotoluene, mixed 1000 lb dr.	.14 : .15	
95% tanks	..... gal	.55	Ethyl Hydride, 1/4 ea. via 10	... : 9.35		Nitrobenzene, wks.	.14 : .15	
Drums, e/l	..... gal	.53	Small Sizes: 1/4 ea. vials, 50c extra;			Nitrobenzene, see Crude Drugs		
Drums, 1e/l	..... gal	.60	1/4 25c extra; single ea. via, 7c extra, over price for 5 ea. tins. 25 ea.			Oak bark, whole	ton 20.00 : 23.00	
97% tanks	..... gal	.57	lots in 5 ea. tins, 10c ea. lower than			Ground	ton 45.00 : 50.00	
Drums, e/l	..... gal	.60	above schedule. Less than 10 ea. lots			Oak, tanks, wks.	.03 1/2 : .03 3/4	
Drums, 1e/l	..... gal	.63	15c ea. higher than above schedule.			23-25% liq. 600 lb bbls wks	.04 1/2 : .04 3/4	
Pure, Acetate free, tin	..... gal	.65				Solid, powd.	.07 1/2 : .08	
Drums, e/l	..... gal	.67				Osire	.03 1/2 : .03 3/4	
Drums, 1e/l	..... gal	.70				Oil Fuel, see Fuel Oil		
Bbis. incl. 5c higher								
Methyl Acetone, 100 gal drums	gal	.83 : .85	Musk Ambrette, 1 lb cans	10.50 : 11.75		BIL MINERAL, wh, 50 gal bbls gal	.80 : 1.05	
Tanks, cans	..... gal	.80	Myrobalans, 25% liquid bbls	.03 1/2 : .04 1/2		Random	1.05 : 1.20	
Chloride, 90 lb cyl.	..... gal	.50 : .55	50% solid, 50 lb boxes	.08 : .08 1/2		Oil Mirbane, see Nitrobenzene		
Salicylate, USP, 50 lb cans	lb	.45	Imported	.08 : .08 1/2		Opium, see crude drugs		
500 lb drums	..... lb	.43	Myrobalans, bags 31	65.00 : 70.00		Orange Mineral, 1100 lb casks NYD	.13 1/2 : .14	
Methylene Blue, tech. 100 lb kgs.	lb	1.35 : 1.50	32	55.00 : 56.00		700 lb bbls, NY	.14 : .15	
USP, medicinal 5 lb cans	lb	2.00 : 2.20	NAPHTHA. See Solvent Naphtha			Ortho-Aminophenol, 50 lb kgs.	2.15 : 2.25	
Michler's Ketone, 225 lb bbls	lb	2.00 : 2.25	NAPHTHALENE, Flake, 175 lb bbls			Ortho-Anilidine, 100 lb drs.	2.75 : 3.00	
Milk, powd. 150 lb bbls	lb	.14 : .15	wks.	.05 1/2 : .06 1/2		Ortho-Dichlorobenzene, see Dichlorobenzene		
Milk Sugar, see sugar of milk			Bbis, e/l wks.	.03 : .05 1/2		Ortho-Nitrochlorobenzene, 1200 lb	.30 : nom.	
Mineral Oil, see oil mineral			Bbis, second hands, NY.	.05 : .05 1/2		Ortho-Nitrophenol, 350 lb	.90 : .95	
Mineral Rubber	ton 25.00 : 75.00		Bbis, e/l wks.	.03 : .05 1/2		Ortho-Nitrotoluene, 1000 lb drs.	.30 : nom.	
Monocetone, 50 gal drums	lb	.46 : .50	Bbis, second hands NY.	.03 : .05 1/2		Ortho-Toluidine, 350 lb bbls	.25 : .27	
Monochlorobenzene, see chlorobenzene			Crushed, shipped, bgs, wks.	.03 : .03 1/2		Osage Orange, 51* liquid	.07 : .07 1/2	
Monethylamine, 900 lb drs.	lb	.70 : .80	Crude, imp., bags	.03 : .03 1/2		Powd., 100 lb bags	.13 1/2 : .14	
Monomethyl paramitophenol sulfate,			NICKEL			Crystals	.16 : .17	
100 lb drs.	lb	2.95 : 4.20	Ingot, 100 lb gks	.34 : .34		Opall, USP, 5 lb bot.	1.75 : 2.50	
MORPHINE Sulfate, USP 5 ea. tins	oz	7.35	Chloride, bbls, bags	.22 : .24		Purified, 5 lb bot.	2.00 : 2.50	
10 oz	..... oz	7.35	salt, single 400 lb bbls, NY.	.10 : .11		Crude, 5 lb bot.	1.00 : 1.25	
			Double, 400 lb bbls, NY.	.10 : .11		FALLADIUM, metal 10 ea. lots	30.00 : 31.00	
			Oxide, 100 lb bags, NY.	.38 : .40		Pancreatin, USP, 5 lb bot.	2.50 : 2.75	
			Sulfate, 450 lb bbls	.09 : .10		Papain, 10 lb bot. USP, Powd.	2.75 : 3.00	
			Nickel Metal, electrolytic	100 lb \$1.00 : \$2.00		Crude, 150 lb cases	2.30 : 2.40	
			Nicotine, Free 40% 8 lb tins	1.40 : 1.55		Paraffin, ref'd 200 lb ea. slabs	.08 1/2 : .08 3/4	
			Sulfate, 10 lb tins, 40%	1.10 : 1.35				
			NITRATE SODA, spot, See Sodium Nitrate					
			Nitre Cake, bulk wks	4.50 : 5.50				
			500 lb bbls	13.00 : 14.00				

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PARAFFIN (Cont.)			PARIS GREEN (Cont.)			Phthalic Anhydride, 100 lb. bbls.		
122-123 Deg. M. F.	D	.07% : .07%	Packings, 5 and 2 Ha.	D	.33 : .34	whs.	D	.13 : .30
122-127 Deg. M. F.	D	.08 : .08%	Packings, 1 lb., 1/4 lb., 1/8 lb.	D	.35 : .36	PILOCARPINE HYDROCHLORIDE, USP 35	ea.	4.00 : 4.50
128-140 Deg. M. F.	D	.08% : .09	Paris White, see whitening, French			lots, 1 ea. vials	ea.	4.00 : 4.50
Para-Aminocresol, 100 lb.	D	1.00 : 1.05	Peptin, USP, 5 lb. bot. 125000 ..	D	2.25 : 2.50	Nitrate, 25 ea.	ea.	4.00 : 4.50
Para-Aminophenol, 100 lb. kegs ..	D	1.10 : 1.15	1:5,000 bottles	D	4.00 : 4.25	Single, ea.	ea.	4.50 : 5.00
Hydrochloride, 100 lb. kegs ..	D	1.25 : 1.30	1:10,000 bottles	D	6.55 : 7.25	Alkaloid, 15 gr. vials	ea.	.35 : .45
Para-Dichlorobenzene, 150 lb. bbls.	D		Peptone, powd., 5 lb.	D	1.70 : 1.80	Pine Oil, steam dist. bbls.	gal	.45 : .65
35-50 lb. kegs	D	.17 : .30	Peptone, 5 lb.	D	.37 : .38	Deconstructive dist.	D	.63 : .84
Paraldehyde, USP, 100 gal. drs. gal.	D	.18 : .22	PETROLATUM, green 300 lb. bbls.	D	.02% : .03	Piperidine Hydrate, 1 lb. bot.	ea.	15.00 : 15.50
Tech.	D	.49 : .50	Dark Amber, 300 lb. bbls.	D	.04% : .05	Piperidine, 25 ea.	ea.	1.10 : 1.25
Para-Cymene, Refd., 110 gal. drs. gal.	D	2.25 : 2.50	Light Amber, 300 lb. bbls.	D	.04% : .05	Pitch, Coal-Tar, whs.	ton	24.00 : 26.00
Paraformaldehyde, USP, 100 lb. ea. D	D	.40 : .42	Cream White, USP 300 lb. bbls. D	D	.07 : .0734	Pitch, prime	bbl	6.00 : 6.50
Para-Nitroacetanilid, 300 lb.	D		Snow White, USP, 300 lb. bbls. D	D	.13% : .14	Plaster Paris, tech 250 lb. bbls. bot	ea.	3.50 : 4.50
bbls.	D	.50 : .55	Lily White, USP, 300 lb. bbls. D	D	.10 : .1034	True Dental, 300 bbls.	bbl	4.50 : 4.75
PARA-NITROANILINE, 300 lb. bbls.	D	.58% : .60	Phenol, see also acid carbolic			Platinum, metal soft 10 ea. lots.	ea.	119.00 : 120.00
whs. ton	D	.58% : .60	Makers, 950 lb. drums, spot.	D	.23 : .24	Podophyllin, 5 lb. bot.	D	4.50 : 4.75
Para-Nitroacetanilide, 1200 lb. drs.	D	.20 : .22	Small drums, 240-100 lb.	D	.24 : .26	Second Hands	D	4.20 : 4.30
whs.	D	.20 : .22	Open market drums	D	.22 : .23	POTASH SALTS, rough		
Para-Nitro-ortho-Toluidine, 300 lb.	D	2.75 : 2.85	240 lb. drs. whs.	D	.23 : .23	Pot. Murate, basic, 30% hgn., ton	ton	34.55 : 35.55
bbls.	D	.50 : .55	Natural, 240 lb. drs. whs.	D	.23 : .23	Pot. Sulfate, basic, 90% hgn., ton	ton	45.85 : 46.85
Para-Nitrodimethylaniline, 120 lb.	D	.92 : .94	Phenolphthalein, USP, 100 lb. drs. D	D	1.50 : 1.60	Pot. & Mag. Sulfate, basic 48% hgn.	ton	26.35 : 27.35
bbls.	D	.35 : .37	5 lb. cans, 100 lb. bbls.	D	1.40 : 1.50	Mannite Salts, basic, 30% bulk ton	ton	17.50 : 18.50
Para-Nitrophenol, 185 lb. bbls.	D	.50 : .55	Phenyl-Alpha-Naphthylamine 100 lb	D	1.23 : 1.29	Mannite Salts, basic, 30% bulk ton	ton	11.00 : 12.00
Para-Nitrophenol, 185 lb. bbls.	D	.50 : .55	kegs	D	1.23 : 1.29	Kalmit, basic, 12.4% bulk.	ton	7.75 : 8.75
Para-Nitrophenol, 185 lb. bbls.	D	.50 : .55	Phenylethylalcohol, 1 lb. bot. Dom. D	D	8.00 : 10.00	Bulk in bags, \$2.00 extra.		
Para-Nitrophenol, 185 lb. bbls.	D	.50 : .55	Imported	D	7.00 : 7.75	Prices c.i.f. Atlantic & Gulf Ports.		
Para-Nitrophenol, 185 lb. bbls.	D	.50 : .55	Phenylethylalcohol, 1 lb. bot. Dom. D	D	8.00 : 10.00	Discounts, 50 tons. 5%; 500 tons 10%		
Para-Nitrophenol, 185 lb. bbls.	D	.50 : .55	Phosphate Acid, 14% Bulk whs.	D	.69 : .65	POTASH, CAUSTIC, solid 88-93%		
Para-Nitrophenol, 185 lb. bbls.	D	.50 : .55	Phosphate Rock, f.a.b. mines			700 lb. drs whs.	D	.07% : .07%
Para-Nitrophenol, 185 lb. bbls.	D	.50 : .55	Florida Pebble, 68%	ton	2.40 : 2.50	Imp. 88-92% 700 lb. drs. NYD	D	.07% : .07%
Para-Nitrophenol, 185 lb. bbls.	D	.50 : .55	Florida Pebble, 70%	ton	2.75 : 2.85	USP, by alcohol 5 lb. cans.	D	.40 : .45
Para-Nitrophenol, 185 lb. bbls.	D	.50 : .55	Florida, 72%	ton	2.70 : 3.00	cans.	D	.30 : .35
Para-Nitrophenol, 185 lb. bbls.	D	.50 : .55	Florida Pebble, 75-74%	ton	3.75 : 4.00	POTASSIUM Acetate, USP, 100 lb	D	.29 : .30
Para-Nitrophenol, 185 lb. bbls.	D	.50 : .55	Tennessee, 72%	ton	3.50 : 4.00	kegs	D	.29 : .30
Para-Nitrophenol, 185 lb. bbls.	D	.50 : .55	Phosphorus Oxide, 175 lb. cyl. D	D	.35 : .40	Second Hands, kegs	D	.28 : .28
Para-Nitrophenol, 185 lb. bbls.	D	.50 : .55	Phosphorus, 100 lb. cylinders	D	.70 : .75	Bicarbonate, crya. 320 lb. bbls. D	D	.09 : .10
Para-Nitrophenol, 185 lb. bbls.	D	.50 : .55	Phosphorus, red 110 lb. ea.	D	.33 : .33	Bicarbonate crya. 900 lb. cans. D	D	.08% : .08%
Para-Nitrophenol, 185 lb. bbls.	D	.50 : .55	Yellow, 110 lb. ea.	D	.33 : .33	Powd., 900 lb. cans. whs.	D	.11 : .12
Para-Nitrophenol, 185 lb. bbls.	D	.50 : .55	Imported, 112 lb. cans.	D	.33 : .33	Binoxalate, 300 lb. bbls.	D	.18 : .18
Para-Nitrophenol, 185 lb. bbls.	D	.50 : .55	Phosphorus Trichloride, 175 lb. cyl.	D	.45 : .45	Import, 112 lb. bbls.	D	.18 : .19
Para-Nitrophenol, 185 lb. bbls.	D	.50 : .55	whs.	D	.45 : .45			

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Chemicals

POTASSIUM (Cont.)

Bisulfate, C.P., 5 lb cans....D30
100 lb kegs.....D22
Bromate, 100 lb cs.....D65
BROMIDE, USP, cryst., 450 lb			
bbis.....D	.43	...	.49
Granular, 300 lb bbis.....D	.43	...	.49
Cases, 100 lb.....D	...	...	.50
Imported USP, 220 lb cs D	.39	...	.41
Shipment.....D	...	...	.43%
CARBONATE, 80-85% calc.			
800 lb cks.....D	.05%	...	.06
80-85%, hydrated, 500 lb			
cks.....D	.05%	...	.06
90-95% calc. cases.....D	.06	...	.06%
95-98% calc. cases.....D	.06%	...	.06%
99% calc. cases.....D	...	...	.07%
USP, 100 lb kegs.....D	.10%	...	.11
99% C.P., cases.....D	...	...	.13%
Chlorate, crys., 112 lb bgs. e/l			
whs.....D	.08%	...	.09
Imp. 112 lb kegs NY.....D	.08%	...	.08%
Powd., 112 lb kegs, whs.....D	.08%	...	.09
Imp. kegs NY.....D	.08%	...	.08%
Gran. Imp. 112 lb kegs NY.....D	.10%	...	.11
Pyrotechnic, line powd. NY.....D	...	...	.07
USP, fine crys. 110 lb kegs			
NY.....D	.14	...	.15
Chloride, crys., bbis.....D	.04%	...	.04%
Citrate, USP, 50 lb.....D	...	...	.60
Cyanide, 110 lb cases.....D	.53	...	.60
Glycerophosphate, 75% Soln. 35 lb			
tins.....D	1.85	...	1.50
Gummed Sulfonate, 5 lb cases			
10 lb.....D	3.00	...	2.25
Hypophosphite, 10 lb cans.....D	.80	...	.85
Iodide, USP, 100 lb cases.....D	3.45	...	3.50
Leachophosphate, 4 oz. bot cs	...	...	.90
Metalbismulfite, 300 lb bbis.....D	.10	...	.11
Imp., 550 lb bbis.....D	.09	...	.10

POTASSIUM (Cont.)

Muriate, 80%, 200 lb bags, NY			
K ₂ O unit.....D	...	...	.63
Nitrate, see Saltpetre			
Oxalate, neutral 100 lb kegs.....D	.16	...	.19
Perchlorate, 112 lb bgs. Mc-Apr. D	.11	...	.13
PERMANGAN, USP, crys. 500 lb			
& 100 lb drs, whs.....D	.15	...	.16
Imp. 112 lb drs.....D	.14%	...	.15%
Prumate, red, 500 lb cases.....D	.37	...	.37%
Prumate, yellow, 500 lb cases.....D	.18%	...	.19
Salicylate, 25 lb cans.....D	.60	...	.65
Sulfate, 200 lb bags, NY K ₂ O unit	...	...	.85
USP, VIII 100 lb kegs.....D	...	...	.15
Sulfocyanide, CP 25 lb jars D	...	...	.50
Tartrate, neutral, 100 lb kegs D	...	...	.51
Titanium Oxalate, 200 lb bbis D	...	...	.23
Fumic Stone, lump, 350 lb bbis.....D	.04%	...	.06
Lump, bags.....D	.03%	...	.05
Powdered, 350 lb bbis.....D	.03%	...	.03
Pyridine, 50 gal, drums.....gal	...	...	4.50
Quebracho Bark.....ton	...	...	120.00
QUEBRACHO, 35% liquid tins.....D	.03	...	.03%
450 lb bbis.....D	.03%	...	.04
35% bleaching, 450 lb bbis.....D	.04%	...	.05%
Solid 65%, 100 lb bales.....D	.04%	...	.05
Clarified, bales.....D	...	...	.05
Quercitron, 51°, 450 lb bbis.....D	.06%	...	.08
Solid, 100 lb boxes.....D	.10	...	.13
Quercitron bark, rough.....ton	...	...	14.00
Ground.....ton	34.00	...	35.00
QUICKSILVER, see Mercury			
Quinidine Alk., 100 oz. tins.....oz	.70	...	.75
Sulfate, 100 oz. tins.....oz	...	...	.50
Quinidine, see Chinoidin			
QUININE SULFATE, USP.			
American 100oz tins.....D	...	...	.50
1 oz. tins, 100oz lots.....oz	...	...	.57
Dutch 100 oz. tins.....oz	...	...	.50

QUININE SULFATE, USP.

Java, 100 oz. tins.....oz	...	...	.50
Japanese, 100 oz. tins.....oz	...	...	.50
Acetate.....oz	...	...	.83
Arsenate.....oz	...	...	.83
Benzoate.....oz	...	...	.88
Bismifate, USP.....oz	...	...	.45
Citrate.....oz	...	...	.63
Dihydrate, USP.....oz	...	...	.66
Dihydrate, 10 oz. tins.....oz	...	...	.66
Dicarbonate, 10 oz. tins.....oz	...	...	2.50
Ethyl Carbonate, 16 oz. tins.....oz	...	...	.91
Ferrocyanide.....oz	...	...	.88
Formate.....oz	...	...	.85
Glycerophosphate.....oz	...	...	.88
Iodide.....oz	...	...	.88
Hydrochloride, USP.....oz	...	...	.63
Hydrochloride, USP.....oz	...	...	.63
Hydrochlorosulfate.....oz	...	...	.66
Hydride & Urea, USP.....oz	...	...	.88
Hypophosphite.....oz	...	...	.88
Lactate.....oz	...	...	.78
Phenolphosphate.....oz	...	...	.88
Phosphate.....oz	...	...	.74
Salicylate, USP.....oz	...	...	.63
Tannate, USP.....oz	...	...	.45
Tartrate.....oz	...	...	.88
Valerate.....oz	...	...	.89

Small Sizes: 1oz vials or cans,
50oz. lots, 5c on extra; 5oz. cans,
50oz. lots 3c on extra; 25oz. cans,
50oz. lots, 2c on extra; single 1oz.
vials or cans, 5c extra. All minor
quinine salts sold and quoted basis
100oz lots in 100oz cans. Sulfate
and bisulfate sold basis 100oz.
lots in 100 oz cans. Smaller orders
or containers extra as above
schedule.

SOLDEN Brand 99.99+% Pure PHTHALIC ANHYDRIDE

Highest quality obtainable.

Guaranteed uniform purity.

Long needle crystals.

Packed in paper lined, wooden barrels.

Prices on application.

THE SELDEN COMPANY
Pittsburgh, Pa., U.S.A.

Chemicals

R SALT, 250 bbls, wks.....D	.45	: .47
Red Lead, see lead oxide		
Red Precipitate, see Mercury		
Resnet, N.F., 5 lbs. (125,000) D	2.95	: 3.50
Resorcinol, see resorcinol		
Resorcinol, tech., 100 lb bags...D	1.35	: 1.50
USP, 25 lb cans.....D	2.35	: 2.35
Robelle Salt, USP, 225 lb bbls...D	.19	: .19%
Imp. USP, 300 lb bbls.....D	.30	: .30%
Rosewater, triple, 5 gal. dems. gal	.90	: 1.10
Rosine, (Sold in 600 lb bbls., gross for net.)		
B.....280 lb	...	: 10.27%
D.....280 lb	...	: 10.27%
E.....280 lb	...	: 10.30
F.....280 lb	...	: 10.35
G.....280 lb	...	: 10.35
H.....280 lb	...	: 10.35
I.....280 lb	...	: 10.35
K.....280 lb	...	: 10.42%
M.....280 lb	...	: 10.87%
N.....280 lb	...	: 11.87%
WG.....280 lb	...	: 13.35
WW.....280 lb	...	: 14.60
(Sold in 600 lb bbls net. quotations based on a unit of 280 lb)		
Roelin Oil first run, 500 gal. bbls	.50	: .58
Second run, bbl.....D	.59	: .61
Rotten Stone lump imp bbls...D	.07	: .08
Lump selected, bbls.....D	.09	: .12
Powdered bbls.....D	.02	: .05
Domestic, bags mines.....D	24.00	: 30.00
SACCHARIN, USP, 10 lb cans, 35 lb		
D.....D	1.75	: 1.85
Soluble, USP, 10 lb cans, 25 lb D	1.75	: 1.85
Sago, Flour, 150 lb bags.....D	...	: .05
Ammoniac, see Ammon Chloride		
Sal Soda, see Sodium Carbonate		
Salein, USP, 1 lb cartons, 25 lb D	5.00	: 5.25
Saleol, USP, 100 lb drums.....D	.85	: .95
Salt, Common, see sodium chloride		
Salt Cake, c/l f, a, b, wks.....ton	17.00	: 20.00

SALTPETRE, Double Refined		
Granular, 400-500 lb bbls		
c/l wks.....D	...	: .06
Less c/l wks, bbls.....D	...	: .06%
Large Crystals, 350-400 lb bbls,		
c/l wks.....D	...	: .07%
Small Crystals, 350-400 lb bbls,		
c/l wks.....D	...	: .07
Powdered, bbls, c/l wks.....D	...	: .07%
Imported, 500 lb bbls, NY.....D	.06%	: .06%
Santonin, USP, 1 lb bot.....D	155.00	: 160.00
Powd. 1 lb bot.....D	158.00	: 162.00
Saponin, ex Quillaja, 5 lb tins...D	1.00	: 1.10
Sax White, 500 lb bbls.....D	...	: .01%
Schaeffer's Salt, 250 lb bbls, wks D	.80	: .85
Scroclamine, see hyosine		
Sellite Mixture, 225 lb bbls.....D	.16%	: .10%
SILICA		
Crude, bulk, mines.....ton	6.00	: 7.00
Refined, sheeted, bags.....ton	18.00	: 30.00
Air floated, bags.....ton	32.00	: 50.00
Extra, sheeted, bags.....ton	55.00	: 65.00
Colloidal, 100 lb bot.....oz	...	: 3.80
SILVER metal, American oz.....oz	...	: .69%
Silver Iodine, 16 oz bot.....oz	...	: .69
Nitrate, 16 oz, bot.....oz	...	: .46%
Aucisinate, 16oz, bot.....oz	...	: .34
Proteinase, 16 oz, bot.....oz	...	: .34
Soap, Castile, 40 lb bbs.....D	.20	: .30
Powd. USP, 250 lb bbls.....D	.28	: .30
Green, USP, 150 lb kegs.....D	.07%	: .08%
Soapstone, see Talc, crude		
SODA ASH, 55% light		
1-4 bags, deliv'd NY.....100 lb	...	: 2.19
5 & Up bags deliv'd NY.....100 lb	...	: 2.04
1-4 bbls, deliv'd NY.....100 lb	...	: 2.44
5 & Up bbls deliv'd NY.....100 lb	...	: 2.29
Contract, Basis 55% bags c/l	...	: 1.38
Wks.....100 lb	...	: 1.38
Prompt and spot, Basis 55% bags c/l wks.....100 lb	...	: 1.43
Contract, Basis 55% coarse bags		

SODA ASH (Cont.)		
c/l wks.....100 lb	...	: 1.45
Prompt and spot, Basis 55% bags c/l wks.....100 lb	...	: 1.50
SODA, CAUSTIC, 76% solid		
1-4 drums deliv'd NY.....100 lb	...	: 3.91
5 & Up drums deliv'd NY.....100 lb	...	: 3.76
Ground & Flake, 76%		
1-4 drums, deliv'd NY.....100 lb	...	: 4.31
5 & up drs deliv'd NY.....110 lb	...	: 4.16
1-4 bbls deliv'd.....100 lb	...	: 4.56
5 & up bbls deliv'd.....100 lb	...	: 4.41
Contract basis 76% c/l wks		
100 lb	...	: 3.10
Prompt and spot, Basis 76% c/l wks.....100 lb	...	: 3.20
Contract 74% low grade c/l wks, flat.....100 lb	...	: 3.02
Ground & Flake, 76% prompt and spot, wks, c/l drs.....100 lb	...	: 3.60
Contract 76% drums c/l wks, flat.....100 lb	...	: 3.50
USP, stick, 10 lb cans.....D	.19	: .21
Pure, stick, by alcohol.....D	.25	: .27
Soda Sal, see Sodium Carbonate		
Sodium Metal, 12 1/2 lb bricks.....D	...	: .27
SODIUM ACETATE, crys, 450 lb bbls		
wks.....D	.04%	: .05%
Aluminate 500 lb bbls wks D	.07%	: .08
Aluminum sulfate, see alum. soda		
Arsenite, 4 lb mat, wks drums gal	.50	: .60
Drums, 8 lb material, wks gal	1.00	: 1.20
Benzonate, USP, 100 lb bbls...D	.51	: .55
Bicarbonat, 400 lb bbls, NY.....100 lb	...	: 2.25
Basis c/l wks.....100 lb	...	: 1.00
112 lb kegs, wks.....D	...	: 2.25
112 lb kegs NY.....100 lb	...	: 2.50
Bichromate, 600 lb casks wks...D	.06%	: .07
Casks c/l NY.....D	.06%	: .07
Casks, NY.....D	.06%	: .06%
Caustic, dry powder, 500 lb bbls, wks.....D	.04	: .04%
Imported.....D	...	: .03%

Quality First

—and Always



There is no need for specifications when you order Diamond Alkalies—The quality is guaranteed—Diamond Soda Ash over 99% pure—Diamond Caustic Soda over 98% pure.



Manufactured and Sold Direct to Consumer by

DIAMOND ALKALI COMPANY
PITTSBURGH, PA.



NO SALE is considered complete until the other partner—the buyer—feels that all his requirements have been fulfilled.

That is SOLVAY'S principle toward all consumers of Alkali.

Solvay 58% Soda Ash
Dense—Light
Solvay Fluf (Extra Light Soda Ash)
Solvay 76% Caustic Soda
Solid—Flake—Ground
Solvay Super Alkali
Solvay Snowflake Crystals
(Trademark Registered)
Solvay Laundry Soda
Solvay Cleansing Soda
Solvay Tanners Alkali
Solvay Tanners Soda
Solvay Liquid Caustic Soda
Solvay Calcium Chloride 73%—75%



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Chemicals

SODIUM—(Continued)

BROMIDE, USP, 450 lb bbls..D	.48	: .49
Cases, 50 lb48	: .49
Imp. USP 220 lb cases ..D	.45	: .48
Bromate, 100 lb ca. ....D	...	: 1.15
Cacodylate, USP, 55 lb		
5 lb bot	5.90	: 6.25
Carbonate Sal Soda 350 lb..bbbs		
1e/1 NY	1.30	: 1.35
Works c/1	1.10	: 1.50
Monohydrate, 400 lb bbl.		
1e/1 NY .....	...	: 2.40
Pure photographic 100 lb		
kg .....	.06	: .08
Chlorate, 112 lb kgs, wks...D	.06%	: .06%
Imported, 112 lb kgs .....	...	: .06%
Chloride, tech	12.00	: 13.00
C. F., 300 lb bbls. ....D	.05	: .06
Chromate 800 lb bbl.....D	...	: .08
Citrate, USP, IX, 50 lb kgs..D	...	: .59
USP, VIII, 50 lb kgs.....D	...	: .52
Cyanide 98-98% 100 lb cases		
wks .....	...	: .22
Two lots, wks. ....D	...	: .21
75-76% 100 lb cases, wks..D	...	: .19%
125-128% 200 lb ca.....D	.20	: .20%
120 125% 200 lb ca.....D	.17	: .18
118-120% 200 lb ca. ....D	.16	: .17
Fluoride, 300 lb bbls., wks...D	.09	: .09%
Imp. 350 lb bbls .....	.09	: .09%
Glycerophosphate USP cryst. 25 lb		
cases	1.40	: 1.55
Powder, 25 lb tins	1.45	: 1.60
Solution, USP, 25 lb tins..D	1.05	: 1.30
Hydroxide, see Soda Caustic		
Hypochlorite Soln, 100 lb ctyb	...	: .05
14% soln, 50 lb ctyb .....	...	: .04
Hydroxide, 200 lb bbls.f.c.h.wks.D	.22	: .24
For Stripping, 50 lb cases..D	.80	: .85
Hypophosphite, USP, 25 lb cases		
D .....	.70	: .75

SODIUM—(Continued)

HYPOSULFITE, tech. pec. crys.		
375 lb bbls., wks..100 lb	2.65	: 3.05
Bbls., c/1 wks. ....100 lb	...	: 2.50
100 lb kgs, wks	2.80	: 2.90
Imp	2.75	: 3.00
seagular crys., bbls. wks.100 lb	2.40	: 2.65
Bbls., c/1 wks. ....100 lb	2.40	: 2.50
Kgs, wks. ....100 lb	3.00	: 3.10
Imp	2.35	: 2.45
Iodide, USP, 25 lb jars....D	4.35	: 4.30
Metardiate, 150 lb bbls.....D	.70	: .75
Naphthionate, 300 lb bbls....D	.57	: .60
Nitrate crude, 95% 200 lb kgs		
c/1 NY .....	...	: 2.46
Aug-Sept Shipment NY 100 lb	2.48	: 2.50
Double Refined 400 lb bbls		
gran. c/1 wks .....	...	: .04%
Powdered, bbls. c/1 wks..D	...	: .05%
Nitrite, 500 lb bbls., spot makers	...	: .09
Imp. 650 lb cases.....D	.09	: .09%
Ortho-Chloro-Toluene Sulfonate,		
175 lb bbls., wks.....D	.25	: .27
Oxalate, neutral, 100 lb kgs..D	.20	: .23
Perborate, 275 lb bbls. ....D	.21	: .22
Imp. 225 lb drs. ....D	.21	: .22
Peroxide, 200 lb cases .....	...	: .27
Phosphate, di-sodium, tech. 550 lb		
Bbls. ....100 lb	3.40	: 3.75
USP, gran, 275 bbls.....D	.07	: .07%
Imp. gran. ....D	.05%	: .06
USP, Crystal, 275 bbls..D	.07%	: .08
Mon-sodium, 100 lb kgs...D	.30	: .31
Tri-sodium, tech., c/1 bbls..D	.03%	: .04%
Picramate, 100 lb kgs .....	...	: .00
Para-Toluene Sulfonate 175 lb		
bbls. ....D	.08	: .09
PRUSSIAN, yellow, 350 lb bbls.		
wks .....	.10%	: .10%
Imp. 50 lb cts .....	.24	: .26
Pyrophosphate, 100 lb kgs ..D	...	: .40
Sulcrilate, 100 lb kgs .....	...	: .40
Second Hand, USP, kgs..D	.37	: .40

SODIUM—(Continued)

Sulfate, 40° turbid, tanks		
wks. ....100 lb	...	: .75
55 gal drums, wks..100 lb	.85	: 1.10
40° clear, tanks, wks.100 lb	...	: 1.10
55 gal drs., wks....100 lb	1.30	: 1.45
42° turbid, tks., wks..100 lb	...	: .80
55 gal drs., wks....100 lb	.90	: 1.15
42° clear, tanks, wks..100 lb	...	: 1.25
55 gal lrs., wks....100 lb	1.35	: 1.75
Sulfonamide, 450 lb bbls. NY.D	.04%	: .04%
Stannate, 100 drms. ....D	.38	: .39
Sulfate, see Glauber's Salt		
Sulfate, Anhydrous, 550 lb bbls.		
c/1 wks .....	.03%	: .04
Imp. 250 lb bbls .....	.02%	: .02%
Sulfide, 60% solid, 650 lb drs.		
1e/1 wks. ....D	...	: .04%
Dr. c/1 wks .....	...	: .04
Imp. 700 lb drs NY ..D	...	: .03%
60% broken, 650 lb drs. wks.D	...	: .04%
Dr. c/1 wks .....	...	: .04%
30% crys. 440 lb bbls. wks.D	.02%	: .02%
Imp. 400 lb bbls .....	...	: .02%
Sulfite, crys. 400 lb bbls. wks.D	.03%	: .03%
Anhydrous, 400 lb bbls.....D	.09%	: .10
Sulfocarbonate, USP, 100 lb kgs..D	.32	: .34
Sulfocyanide, 400 lb bbls .....	.42%	: .45
Tungstate, crys. 100 lb kgs..D	.70	: .75
SOLVENT NAPHTHA, 110 gal		
dr. wks.....gal	...	: .30
8,000 gal. tank cases, wks gal	...	: .35
Spartan Sulfate, USP, 250 lb bulk, ca	...	: .50
Single ca. vial.....ca	...	: .67
Spirits Turpentine bbls .....	.97	: 1.00
Stm. dist. ....gal	.87	: .90
Spruce, 25% liquid tanks, wks.D	.01	: .01%
Powd. 50% 100 lb bags. wks.D	.02	: .02%
Starch, rice, 140 lb bags.....D	.09	: .10



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Columbia Chemical Division,
Pittsburg Plate Glass Co., Barberton, Ohio

Caustic Soda

All Tests

Soda Ash

Dense-Light
Granular if Desired

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Chemicals

STARCH, powd 140 lb bgs. c/1 100 lb	4.02	4.12
Bags, 1c/1	4.12	4.13
Pearl, 140 lb bgs c/1	3.92	4.12
Bags, 1c/1	4.02	4.12
Potato domestic, 200 lb bags c/1 lb	.03 3/4	.04
Imported, bags duty paid .....	.08 3/4	.08 3/4
Wheat, dom. ....	.06 3/4	.07
Imp. ....	.07 3/4	.08
Sol. Potato .....	.07	.07 3/4
STRONTIUM Bromide, USP, 50 lb		
kegs .....	.51	.52
Carb. 600 lb bbls. wks. ....	..	.07
100 lb kegs, wks. ....	..	.08
Iodide, USP, 25 lb jars .....	..	.01
Nitrate, 600 lb bbls., wks. ....	.08 3/4	.09
Imp. bbls., NY .....	.07 3/4	.08
Sulphate, USP, 100 lb kegs .....	.70	.80
STRYCHNINE Alkaloid, USP, crys		
100 oz. tins .....	.71	
Japanese, cans .....	.75	
Alk. powd. USP .....	.61	
Acetate .....	.85	
Glycerophosphate, USP .....	.65	
Hydrobromide .....	.65	
Hydrochloride .....	.65	
Hydrophosphate .....	.75	
Nitrate, USP .....	.85	
Phosphate .....	.65	
Sulfate, USP, crys. powd .....	.50	
Saccharinate	1.25	
Strychnine preparations quoted bases		
1000z lots in 1000z tins. Small sizes:		
1/4 oz vials, 50c extra; 1/2 oz vials, 25c		
extra; single ounce vials, 7c extra. Lots		
of 25 lots. 5c higher than above		
schedule. Lots of less than 25 ozs.		
10c higher per oz.		
Sugar Coloring (See Caramel)		
Sugar Milk, USP, 300 lb bbls. ....	.30	.31
Second Hands, USP, bbls. ....	.18	.19
Sulfonal, see Sulfonmethane		
Sulfonethymethane, USP, 10 bbs. lb	3.85	4.05
Sulfonmethane, USP, 10 lb bbs. lb	2.65	2.85

SULFUR

Crude, f.o.b. mines	14.00	15.00
Brimstone, 250 lb bags, c/1 100 lb	1.75	1.95
Low c/1 bags NY	1.85	2.10
Ball, 500 lb bbls. c/1 NY 100 lb	..	2.15
Low c/1 bags NY	2.30	2.45
Flour, Heavy, 290 lb bbls. 100 lb	2.50	3.05
Light, 100%, 260 lb bbls. 100 lb	2.50	3.15
Rubbermakers 100%, 240 lb	..	..
bbls., NY	2.50	3.15
Commercial, 99%, 150 lb bags	..	..
NY	1.35	1.65
For Dusting, 99%, 100 lb	..	..
bgs., NY	1.95	2.50
Flowers, 100%, 240 lb bbls.	..	..
NY	3.35	3.90
Precipitated, 125 lb bbls. NY. lb	.15	.17
Lac, 125 lb bbls. NY .....	..	.10
Sulfur Chloride, red, 700 lb drs.	..	..
wks. ....	.05 1/4	.06
150 lb crys., wks. ....	..	.07
Yellow, 700 lb drs. wks. ....	.04 1/4	.05
150 lb crys., wks. ....	..	.06
Sulfur Dioxide, 100 lb cyl. ....	.08	.08 3/4
Iodide, USP, VIII, 5 lb bot. ....	..	4.55
Sulfuric Ether, see Ether		
Sulfuryl Chloride, 600 lb drs. ....	.65	.70
Sumac, liquid, 450 lb bbls. ....	.05 1/4	.07 1/4
Stainless, 600 lb bbls. ....	.10 1/4	.11 1/4
Sumac, Sicily, 100 lb bags	115.00	150.00
Virginia, 150 lb bags	55.00	60.00
Destructive, distilled, bbls. ....	.68	.70
TALC, Italian 220 lb bags NY.	40.00	50.00
Refined, white, bags	50.00	55.00
French, 220 lb bgs., NY	30.00	35.00
Refined, white, bags	38.00	45.00
Dom., crude, 100 lb bags NY.	12.00	15.00
Refined, 100 lb bags NY.	16.00	18.00
Tankage, ground, NY	3.75	4.10
High grade f.o.b. Chicago	4.00	4.25
So Am. c.i.f.	3.90	4.10
Tapioca Flour, high grade bags .....	.04 3/4	.06
Medium grade, bags .....	.04 3/4	.05 1/4
Low grade, bags .....	.03	.03 3/4
High grade	32.00	40.00

Tar, Coal Gas, Tks wks. ....	.06	.08
Coke Oven, Tks. wks. ....	.07	.08
Water Gas, Tks. wks. ....	..	.08
Tar, kiln-burnt .....	..	14.00
Retort .....	..	14.00
Tartar Emetic, tech. 700 lb bbls. ....	.37	.38
USP, 300 lb bbls. ....	.31	.34
Tensilac 41, 100 lb drums .....	..	.65
Tensilac 69, 100 lb drums .....	..	4.80
Terpin Hydrate, USP, 100 lb kegs .....	.45	.47
Terpinol, CP, 1000 lb drums .....	.38	.40
Cans, 50 lb .....	.42	.45
Imported, cans 25 lb .....	.43	.46
Terpinyl Acetate, 25 lb cans	1.65	1.85
Terra Alba, No. 1, 300 lb bbls.	1.85	1.90
No. 2, bbls.	1.25	1.35
Tetralene, 50 gal drs. wks. ....	..	1.45
Tetra Chlor Ethane .....	..	.12
Theobromine Alk., 5 lb cans	3.60	3.75
Sod. Salicylate, 1 lb bot. ....	..	2.92
Thiocarbamid, 170 lb bbls. ....	..	.26
Thymol, USP, 25 lb tins	3.75	4.00
TIN, metal Straits NY .....	..	.57 1/2
Iodine, 5 lb boxes	7.25	7.50
American Standard, NY 100 lb	..	55.40
99% American, NY. ....	..	54.50
Bichloride, 50% soln. 100 lb	..	..
bbls. wks. ....	..	.16
Crystals, 500 lb bbls. wks. ....	..	.39 1/4
100 lb kegs, wks. ....	..	.40
Oxide, 300 lb bbls. wks. ....	..	.58
100 lb kegs, wks. ....	..	.60
Tetrachloride, 100 lb drs. wks. ....	..	.32 1/4
Titanium Oxide, bbls. wks. ....	.13	.14
Toluidine, 350 lb bbls. ....	.90	.94
Sulfate, 350 lb bbls. ....	.80	.85
Toluene, 8000 gal tank cars wks. ....	..	.26
110 gal drs wks. ....	..	.37
Toluidine, Mixed, 900 lb drs. wks. ....	.31	.32
Toners, para red .....	.90	1.00
Toluidine	1.80	1.90
Triacetin, 50 gal drs wks. ....	..	.37
Tribromophenol, 100 lb cases .....	..	1.10
Trional, see Sulfonethymethane
Triphenylguanidine69	.73
triphenyl Phosphate, 450 lb bbls.75

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[Hexa Hydro Phenol]

TETRALIN

[Tetra-Hydro-Naphthalene]

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New York, N. Y.

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Chemicals

Tripoli, 500 lb bbls	100 lb	2.50	3.00
Tungsten, NY	W.O. unit	11.25	12.00
Turkey Red Oil, bbls single	b	.11	.13
double	b	.16	.19
Turpentine, see Spirits Turpentine			
Wood, see Wood Turpentine			
Ultramarine Blue	b	.15	.35
UREA, pure, 112 lb cases	b	.18	.30
Valonia Caps, 30-31% tan	ton	36.00	38.00
Beard, 42% tan, bgs	ton	55.00	57.00
Mixture, 38% tan	ton	40.00	42.00
VANILLIN, USP, 500 oz cans	oz		.49 1/2
Cans, 80 ozs	oz		.60
Cans, 16 ozs	oz		.61
Second Hands	oz	.47	.56
Venetian Red	b		.66
Verdigris, see Copper Subacetate			
Vermilion, Amer. 100 lb bags	b	.35	.40
English, bgs	b	1.40	1.45
Veratrine Sulfate, 1 oz vial	oz		1.85
Hydrochloride, 1 oz vial	oz		1.85
Vergal, see Acid Diethylcarbiturate			
Vulcanite, 250 lb bbls, wks	b	.75	.79
Wattle Bark, bgs	ton	43.50	45.00
WHITE LEAD, see lead, white			
White Precipitate, see mercury			
Whiting, 200 lb bags, c/l wks 100 lb	b		.90
Gilders, bags, NY	100 lb	1.00	1.15
French, bags, NY	ton		18.00
English, bags, NY	ton	11.00	23.00
Pale White	100 lb	1.30	1.50
Witch Hazel Extract, 50 gal. bbls gal	gal	1.05	1.10
Wood Turpentine, etc. dist. bbls gal	gal	.87 1/2	.90
ZYLENE, 5° dist range, nitration			
110 gal. drs NY	gal		.55
5° dist. range, 800 gal. tanks	gal		
wks	gal		.40
110 gal. drs wks	gal		.45
10° dist range, drums, wks	gal		.40
Tanks, wks	gal		.35
Commercial, 110 gal drs, wks	gal		.31
Tanks, wks	gal		.30
Zyldine, crude	b		.37
Refined	b		.43

YARA YARA, 1 lb tins	b	1.65	1.80
Yohimbin Hydrochloride, 1 oz. vial	oz	3.15	4.00
Resale	oz		3.00
Yolk Oil bbls	b		.35
ZINC, METAL, high grade, slabs			
c/l NY	100 lb		8.75
Common Slabs, c/NY	100 lb	7.55	7.57 1/2
Mossy, 25 lb bxs. NY	b		.14
Ammonium Chloride, powd., 400 lb			
bbls.	b	.07 1/2	.08
Carb. tech., bbls, NY	b		.10
USP, 100 lb kegs	b		.20
Chloride, fused, 600 lb drs. wks	b		.07 1/2
Dr. c/l wks	b		.06
Granulated, 500 lb bbls wks	b		.08
Imported, dr., NY	b		.08
Solution, 50%, tanks wks 100 lb	b		3.00
USP, 25 lb jars	b	.37	.39
Cyanide, 100 lb drs	b	.40	.41
Dust, 100 lb tins, wks	b		.10
500 lb bbls kegs c/l wks	b		.09
500 lb bbls, kegs, 1 c/l wks	b		.09 1/2
Iodide, 5 lb bbls	b	5.38	
Nitrate, 25 lb jars	b		.45
Oxide, Amer. Bags wks	b	.07 1/2	.07 1/2
Oxide, Amer 300 lb bbls wks	b	.07 1/2	.07 1/2
French, 300 lb bbls wks	b	.10	.12 1/2
Bbl. c/l wks	b	.08 1/2	.11 1/2
Bags, c/l wks	b	.09 1/2	.11 1/2
USP, 100 lb bbls c/l	b		.14 1/2
Ton, lots wks	b		.16 1/2
Imported, white seal, bbls	b		.12
Green seal, bbls	b		.10
USP 100 lb bbls	b	.15 1/2	.18
Stearate, USP, 50 lb bbls	b	.21	.23
Resale	b	.20 1/2	.21
Sulfate, 400 lb bbls, wks	b	.08 1/2	.08 1/2
bbls, c/l wks	b		.03
USP 100 lb bbls	b	.14	.15
Sulfide, 500 lb bbls	b	.30	.33
Sulfocarbonate, 100 lb bags	b	.30	.33
wks	b	1.25	1.75
Zirconium, oxide, pure	b	.45	.50
Semi-ref'd, bgs	b	.05	.10
Natural, bgs	b	.02 1/2	.03

Oils - Fats

Castor, No. 1 400 lb bbls	b	.16 1/2	.17
80 lb cases	b		.17 1/2
No. 3, bbls	b		.16
Blown, 400 lb bbls	b		.18
China Wood, spot NY	b	.13 1/2	.14
Tanks, Spot, NY	b		nom
Coast, tanks	b	.11 1/2	.12
Coconut, Ceylon, 375 bbls. NY	b		.06 1/2
8000 gal tanks, NY	b		.06 1/2
Cochin, 375 lb bbls, NY	b	.11 1/2	.11 1/2
Tanks, NY	b		.10 1/2
Manila, bbls NY	b	.10 1/2	.10 1/2
Tanks, Pacific Coast	b	.09 1/2	.09 1/2
Edible, bbls, NY	b	.12 1/2	.13
Cod Newfoundland, 50 gal bbls gal	gal	.62	.65
Tanks, NY	gal	.55	.57
Cod Liver, see Cod Liver Oil under Chemicals			
Copra, bags	b	.05 1/2	.06
Corn, ref., 375 lb bbls, NY	b		.13
Crude, tanks mills	b		.10
bbls, NY	b	.11	.12
Lotions, crude, tins, mill	b		.00 1/2
PSY, 100 bbls NY July	b	.11 1/2	.11 1/2
Aug-Feb	b	.10 1/2	.11 1/2
White 100 bbls lots, NY	b		
Winter yellow, 100 bbls, NY	b	.13 1/2	.14
Degras, Amer. 50 gal, bbls, NY	b	.04 1/2	.04 1/2
English, light, bbls, NY	b	.05 1/2	.05 1/2
Brown, bbls, NY	b	.04 1/2	.04 1/2
Light brown, bbls, NY	b	.04 1/2	.04 1/2
Dark, bbls, NY	b	.03 1/2	.04
Neutral, bbls, NY	b	.07 1/2	.12
Moellon, bbls, NY	b		.50
Greases, choice white, bbls NY	b	.14 1/2	.14 1/2
Yellow	b		.09
Brown	b		.08 1/2
House	b		.08 1/2
Wool naphtha	b		.07

Hexamethylenamine, U. S. P.
Benzoate of Soda

Formaldehyde, U. S. P.
Benzaldehyde

THE NORVELL CHEMICAL CORPORATION

New York Office
99 John Street

Perth Amboy, New Jersey

Chicago Office
180 North Market St.

Church & Dwight Co.

80 Maiden Lane
New York

Bicarbonate of Soda
Sal Soda
Monohydrate of Soda

Compound
Solution Cresol
U. S. P. IX

BAIRD & McGUIRE, Inc.

Holbrook, Mass.
P. O. Box 473

St. Louis, Mo.
1200 Switzer Ave.

Herring, Tanks, Coast	gal	.40	nom.
Horse, 375 D bbls., NY	D	.10	nom.
Lard, prime steam, bbls.	D	..	.17½
Compounds, bbls.	D	..	.13½
LARD OIL, Edible, prime			
Off prime bbls	D	..	.20½
Extra, bbls.	D	..	.14½
Extra, No. 1 bbls	D	..	.14
No. 1 bbls	D	..	.13½
No. 2 bbls	D	..	.13½
LINSEED, raw el bbls spot	gal	1.00	
Fire, bbls, raw	gal	1.03	
Tank, raw	gal	..	.94
Boiled, 5 lbl lbs	gal	1.06	
Deuchle Boiled, 5 lbl	gal	1.06	
c/1 wks	gal	..	.95
July-Sept c/1 bbls wks	gal	1.00	
Oct-April c/1 wks	gal	..	.98
Imported bbls, NY	gal
Tanks, NY	gal
Mendenas, crude, bbls, wks	gal	..	nom.
Crude, tanks, Bal.	gal	..	nom.
Light pressed, bbls, NY	gal	.78	.79
Yellow, bleached, bbls, NY	gal	.79	.80
Extra bleached, bbls, NY	gal	.81	.83
Blown, bbls, NY	D	..	.10½
Nestafoot, 20° c.t, bbls., NY	D	..	.17½
Pure, bbls, NY	D	..	.15
Extra, bbls, NY	D	..	.14
No. 1 bbls, NY	D	..	.13½
Gitco Oil, No. 1 bbls NY	D	..	.14½
No. 2, bbls NY	D	..	.13½
No. 3 bbls, NY	D	..	.12
OLIVE, denatured, bbls, NY	gal	1.15	1.20
Feints, bbls., NY	gal	2.00	2.80
Foots, bbls, NY	D	.08½	.08½
Shrimps, lb	D	.08½	.08½
Palm Lagers, 1500 lb	D	.08	.09½
Niger casks	D	.08½	.09
Bonny old Calabar, casks.	D	..	nom.
Palm Kernel bbl NY	D	..	.10½

Peanut, refined, bbls., NY.....	D	.15	.16
Crude, millie buyers tks.....	D	...	...
Crude, bbls., NY.....	D	...	.10%
Perilla, bbls., NY.....	D	.14%	.15
Poppeseed, bbls., NY.....	gal	2.25	2.50
Rapeseed, refined bbls NY.....	gal	.97	.99
Blown bbls NY.....	gal	...	1.14
Red Oil, distilled, bbls.....	D	.11%	.12%
Saffroned, bbls.....	D	.11%	.12%
Tanks.....	D	...	.10%
Salmon, 8000 gal. tks. Coast.....	gal	.50	nom.
Sesame, edible, yellow, bbls.....	D	.13	.13%
White.....	D	.14%	.15
Sod Oil, bbls., NY.....	gal	...	.40
SOYA BEAN, crude, tks, Coast Coast.....	D	...	.11
Crude, tks, NY.....	D	...	.12%
Crude, bbls., NY.....	D	...	.13
Refined, bbls.....	D	...	.14%
Sperm, 58° c.t. blehd. bbls.NY.gal	gal	.89	.91
45° cold test, blehd. bbls. NY.gal	gal	.87	.89
STEARIC ACID, 1/2 200 lb bags D	D	...	.14%
Double pressed, bags.....	D	.14%	.15%
Double pressed, bgs., saponified D	D	.14%	.15%
Triple pressed, bgs., distilled D	D	.16%	.17%
Triple pressed, bgs., saponified D	D	.16%	.17%
Stearine oleo, bbls.....	D	.13%	.14
Tallow, edible tierces.....	D	...	.11
City, extra loose.....	D	.09%	.09%
Tallow Oil, acidless tks., NY.....	D	...	.12
Bbls, cl NY.....	D	...	.13%
Walnut, crude NY.....	D	—	—
Whale, nat winter bbls., NY.....	gal	...	.79
Blehd. winter bbls., NY.....	gal	...	.81
Extra Rich, bbls., NY.....	gal	...	.93
Crude, No. 1, tanks Coast.....	gal	...	...
Crude, No. 2, tanks Coast.....	gal	...	...
Crude, No. 3, tanks Coast.....	gal	...	...

Acrodis Gum, red, see Yacca.		
ACONITE LEAVES, bales	..D	10 : 11
Root, 750 lb bales	..D	33 : 35
Agar Agar, 1, 200 lb bales	..D	1.40 : 1.50
No. 2 bales	..D	7.83 : 7.35
No 3 bales	..D	1.10 : 1.25
Agaric, white, cases	..D	2.75 : 3.00
Granulated, boxes	..D	3.25 : 3.40
Almonds, bitter, boxes	..D	.60 : .65
Sweet, boxes	..D	.57 : .60
Meal, barrels, boxes	..D	.34 : .35
Aletris Root, bags	..D	.37 : .39
Alkanet Root, bag	..D	.08% : .10
Aloes, Barbados, 120 lb bbls.	..D	.70 : .75
Cape, 400 lb cases	..D	.08% : .09
Curacao, 100 lb cases	..D	.11% : .12
Socotrone, whole, 300 lb cs.	..D	.. : .35
Select, cases, D	..D	.36 : .39
Althia Root, Cuts, cs.	..D	.50 : .55
Whole	..D	.24 : .25
Ambergris, black boxes	..cs	8.00 : 10.00
Grey, boxes	..cs	.. : 36.00
Ammoniac, team, bags	..D	.80 : .85
Angelica Root, dom. bags	..D	.13 : .14
Angustura Bark, bags	..D	.16 : .20
Anise, Levant, bags	..D	1.14% : .15
Russian bags	..D	.18 : .14
Star cases	..D	1.23% : 1.34%
Spanish bags	..D	1.64% : 1.6%
Anatto Seed, 200 lb bags	..D	.15 : .18
ARABIC GUM.		
White, No. 1, 200 lb bags.	..D	24 : 25
Second, 250 lb bags	..D	22 : 23
Sorta Amber, 200 bags, bbls.	..D	1.3% : .14
Powd., U.S., 800 lb bbls.	..D	.37 : .33
Areca Nuts 150 lb bags	..D	.18 : .19
Powd., 200 lb bbls.	..D	.20 : .21
Argolis, Red, grd. see Chemicals		
Arnica Flowers, bales	..D	.11 : .14
Root, bags, cases	..D	.28 : .30



PRICES CURRENT SECTION

Crude Drugs

Arrowroot, Amer. Ford. bbls....	.10	.10%	Cassia Batavia, No. 3 bales....	.10	.10%	Klocampans Root, bags.....	.09	.10
Burman, bbls.....	.14	.15	China, select, rolls, cases....	.07	.07%	Klor Flowers, bags.....	.19	.13
St. Vincent Powd. bbls.....	.24	.26	Broken, bales.....	.08%	.09%	Klond Gum, 85 lb cases.....	.26	.27
Anafetide, USP, 250 lb cases....	.38	.40	Back, cases.....	.30	.31	Klan Bark, select 5 lb bundles cases	.16	.17
Powd., 50 lb bxs.....	.40	.42	Cassia Fistula, baskets.....	.07	.09	Grinding, bags.....	.23	.25
BALM GILEAD RUBB, bags.....	.40	.42	Castile Soap, USP, powd., 300 lb	.20	.22	Powdered, bbls.....	.50	.55
Balmory Herb, bales.....	.14	.15	bars.....	.05	.05%	ERGOY, 150 200 lb bags.....	.05%	.06
BALSAMS			Castor Beans, bags.....	.05	.05%	Eucalyptus Leaves, bales.....	.08	.08%
Copaiba, Para 80 lb cs.....	.50	.54	Castoreum, See Aromatic Chemicals, Perfumes, Sun-			Euphorbia Pilulifera Herb, bags....	.37	.38
South American, 80 lb cs.....	.55	.60	dries			Powdered boxes.....	.23	.25
For Canada, cases.....	11.00	12.00	Catechu Gum, bags.....	.11	.12	Fennel Seed, French, bags.....	.08%	.09
Oregon bbls cases.....	.95	1.10	Catsup Herb, bales.....	.23	.26	German, bags.....	.14	.16
Powd., 120 lb cases.....	1.80	1.90	Celery, Seed bales.....	.28	.30	Indian, bags.....	.08%	.09
Tolu, 120 lb cases.....	1.40	1.50	Ceratin Wax, white bags.....	.12	.20	Fennugreek Seed, 200 lb bags.....	.05	.05%
Bamboo Brier Root, bags.....	.08	.07	Yellow, 200 lb bags.....	.10	.12	Fish Berries, 100-125 lb bags....	.08	.08%
Barberry Bark, tree bales.....	.12	.15	CHAMOMILE FLOWERS, Roman			Flax Seed, whole, 180 lb bbls....	15.00	15.85
Root, bags.....	.35	.37	Hung, cases bales.....	.18	.20	Ground, 180 lb bbls.....	.08	.08%
Bayberry Bark, bales.....	.10	.12	Charcoal, Willow, powd bbls....	.05%	.06%	Fringe Tree Bark, bags.....	.25	.28
Wax, bbls.....	.21	.22	Wood, powd. bbls.....	.04	.05	Fumigating Pastilles Black, 1 lb		.18
Belladonna Leaves, balm.....	.25	.27	Cheroot Bark, bags.....	.07	.08	boxes.....	.23	.25
Root, bags.....	.15	.18	Herb, bales.....	.06	.06%	GALANGAL ROOT, bags.....	.09	.10
Bees Wax, white cases.....	.45	.55	Chicle Gum, bags.....	.35	.40	Galbanum Gum, cases.....	.80	.85
Yellow, refined, cases.....	.38	.40	Chiretta, bales.....	.07	.10	Gambier Gum, bags.....	.16	.17
Crude bags.....	1.30	1.35	Cinchona Bark, red quills bales..	.75	.80	Gamboge Gum, 160 lb cases....	.90	.95
Bennoin Gum, Stam, boxes.....	.24	.25	Broken bales.....	.29	.34	Powdered cases.....	.98	1.00
Berberis Aquifolium Root, bags..	.13	.14	Cinnamon, Ceylon, No. 1 bales..	.41	.42	Gelsemium Root, bags.....	.12	.13
Beth Root, bags.....	.24	.26	No. 2, bales.....	.38	.39	Gentian Root, bags.....	.08%	.09
Bitter Root, 100 lb bags.....	.40	.42	No. 3, bales.....	.37	.38	Ground, bbls, boxes.....	.12	.13
Blackhaw Bark, root, bales....	.31	.32	Civet, Abyssin horns.....	2.35	2.50	Powdered, boxes.....	.15	.15%
True, bales.....	.15	.17	Clover Tops, bags.....	.20	.22%	Ginger African, bags.....	.15	.15%
Blood Root, bags.....	.13	.15	Cloves, Zanzibar 135 lb bales....	.28	.28%	Jamaica, grinding, bags bbls....	.17%	.18%
Bloodag Root, bags.....	.27	.28	Ambrynas, bales.....	.40	.42	Japan, bags.....	.21	.22
Boldo Leaves, bales.....	.15	.16	Cochineal, Black.....	.54	.55	Cochin, ABC & Lemon, bags....	.15%	.16
Bonnet Herb, bales.....	.09	.11	Cora Leaves, Huancaco bags....	.07%	.15	Ginseng Root, cultivated, bags..	8.00	10.00
Leaves, bales.....	.09	.11	Traxillo, bales.....	.10	.11	Northwestern Wild, bags.....	12.00	14.00
Borage Flowers, bales.....	.13	.20	Cobosh Root, Black bags.....	.07%	.15	Southern Wild, bags.....	8.50	10.00
Bryonia Root, bags.....	.09	.16	Blue, bags.....	.10	.11	Golden Seal Root bags.....	4.50	4.60
Black Indian Root, 100 lb bags..	.40	.42	Colchicum Root, bags.....	.08	.09	Powdered boxes.....	4.90	5.15
BUCHU LEAVES, short, 350 lb			Seed, bags.....	.16	.17	Grains of Paradise, bags.....	.13	.14
bales.....	.65	.70	Coleworth, apoles, cases, bales..	.22	.25	Grindelia Robusta Herb, bales..	.09	.09%
Long bales.....	.11	.12	Pulp USP bales.....	.23	.25	Guaiac Gum, 80 lb cases powd..	.40	.48
Buckbean Leaves, bales.....	.08	.09	Colombo Root, whole bags.....	.03%	.04	Guarans, tins, cases.....	.80	.95
Buckhorn Bark, bags.....	.10	.12	Coltsfoot Leaves, bags.....	.05	.06	GUM, see Arabic Gum, etc.		
Burdock Root, bags.....	.10	.12	Comfrey Root, bags.....	.13	.14	HELLEBORE ROOT,		
Burgundy Pitch, dom., 110 lb stands			Condurango Bark, bags.....	.12%	.13	Black, bbls.....	.08	.10
Gross for net.....	.10	.11	Contum Herb, bags.....	.12	.14	Powdered.....	.15	.17
Imported.....	.10	.11	Contum Seed, bags.....	.10	.11	White, Powd., 250 lb bbls....	.12	.13
Calabar Beans, bags.....	.10	.11	Copaiba Balsam Para, see Balsams			Helonias Root, (unicorn tails)	.07	.08
Calamus Root, bleached, cases..	.33	.34	Conal Gum.....	.12	.13	bags.....	.03%	.04%
Unbleached, bags.....	.06%	.07	Jorlander Seed, Bombay, bags..	.06	.06%	Hemp Seed, bags.....	.29	.31
Calendula Petals, imp., bales....	.33	.35	Morocco, bags.....	.04%	.05%	Herbacea Leaves, bales, USP....	.22	.26
Callaya Bark, balm powd.....	.39	.41	Bleached, bags.....	.08%	.09	No. ASAY.....	.09	.10
Camphor, see Chemicals			Corn Silk bales.....	.05%	.06%	Henna Leaves, bales.....	.12	.14
Canary Seed, Morocco bags.....	.08%	.09	Cotton Root Bark, bales.....	.14	.15	Powdered.....	.09	.10
Spanish bags.....	.08%	.09%	Dorhage, on tins.....	.05	.05	Honey, Calif., 120 lb cases....	.11	.12
South American, bags.....	.07%	.08%	Cramp Bark, so-called bales....	.06%	.07	Hops, NY prime bale.....	.26	.30
Candellilla Wax, bags.....	.80	.82	True, bags.....	.30	.32	Pacific Coast prime bales....	.25	.27
Candella Alfa Bark, bales.....	.50	.52	Cranesbill Root, bags.....	.09	.10	Herebound Herb, bales.....	.09	.10
Cannabie, true imp. bags.....	.40	.42	CUBES BERRIES, XX bags.....	.05	.06	Horse Nettle, Berries, bags....	.35	.36
American (no assay) bales....	.40	.42	Powdered, bxs.....	.05	.06	Horsehall Rush, bags.....	.15	.16
USP.....	.40	.42	Culvers Root, bags.....	.19	.20	Hydrangea Root, bales.....	.09	.10
Cantharides, Chinese cases.....	.95	1.00	Cumin Seed, Levant bags.....	.14%	.15	India Gum, see Karaya		
Powdered bags.....	1.15	1.20	Malta bags.....	.12%	.13%	INSECT FLOWERS, open whole		
Russian, cases.....	.75	.80	Morocco, bags.....	.13	.13%	Bales.....	.32	.33
Powdered, boxes.....	.95	1.00	Custleth Bone, Triests, straps..	.13	.14	Closed, whole bales.....	.34	.36
Caraway Seed, African, bags....	.07%	.08	Jewellers large, straps.....	.35	.36	Powdered, pure 200 lb bbls....	.35	.38
Dutch, 11 lb bags.....	.07%	.08%	Small, straps.....	.35	.36	Flowers and Stems, 50 p.c.	.30	.31
Cardamom, bleached cases.....	2.50	2.60	French, straps.....	.13%	.14	200 lb bbls.....	2.25	2.50
Decorated cases.....	2.45	2.60	Powdered, boxes.....	.08	.09	Ipecac Root, Cartagena bags....	2.75	2.80
Green, grinding, bags.....	1.60	1.65	Broken, boxes.....	.07	.08	Powdered, 200 lb bbls, bxs..	2.25	2.50
Carnauba Wax, Flor. bags.....	.40	.42	Damar Gum, 136 lb cases.....	.25	.25%	Rio Whole bags.....	2.75	2.80
Powd.....	.40	.42	Damiana Leaves, bales.....	1.25	1.50	Powdered, 200 lb bbls bxs..	.75	.80
No. 1 yellow bags.....	.38	.39	Dandelion Root, Imp bags.....	.18	.20	Justicia American, 180 lb ca....	4.00	4.50
No. 2, N Country bags.....	.33	.34	Deer Tongue Leaves, bales....	.08%	.09	Russian (Beluga) bxs, ctas....	.10	.10%
No. 3, N Country bags.....	.33	.34	Wetlands Leaves, bales.....	.10	.11	JABORANDI LEAVES, bales.....	.20	.25
No. 4, chalky, bags.....	.33	.34	Dill Seed, bags.....	.05	.05%	Jalap Root, whole, 150 lb bags..	.20	.25
Cascara, Amagra 150 lb bales....	1.25	1.50	Cleaned, bags.....	.08%	.09%	Powd., USP, 250 lb bbls....	.34	.36
So-called, bales.....	.65	.70	Doogras Root, USP, cut bags....	.11	.12	Japan Wax, 224 lb cs.....	.12	.13
Cassia Sagrada, balm.....	.30	.32	Traverse Wood, mass cases....	.70	.75	Jed's Teas, White, bags.....	.12	.13
1930-32 bark.....	.31	.34	Seeds, boxes.....	.85	.90	Juniper Berries, 125 lb bags....	.05	.05%
1923 bark.....	.14%	.15	ECHINACEA ROOT, bales.....	.29	.32	KANALA, USP, boxes.....	1.00	1.05
1924 bark.....	.14%	.15				Karaya Gum, powdered, bbls....	.10	.25
1935 bark.....	.14%	.15						
Cassia Batavia, No. 1 bales....	.11	.11%						
Shortstick, bales.....	.10	.10%						

Crude Drugs

Kauri Gum No. 1 .....	.68 : .70	Marjoram Leaves, French, bales .....	.35 : .37	Optum, Powdered, USP, cans	13.00 : 14.00
Kava Kava Root, bags .....	.18 : .19	Chilian, bales .....	.24 : .24 1/2	Orange Flowers, cans .....	.25 : 1.35
Kino Gum, black cases .....	.55 : .60	Mastic Gum, 120 lb cans .....	.56 : .58	Orange Peel, bitter, bags .....	.07 1/2 : .08
Kola Nuts, 150 lb bags .....	.04 1/2 : .05	Matteo Leaves, bales .....	.27 : .27	Sweet, bags .....	.11 : .11 1/2
Kouso Flowers, bags	1.50 : 1.75	Meserion Bark, bags .....	.11 : .12	ORRIS ROOT, Florentine bold bags .....	.09 : .10
LADY SLIPPER ROOT, bags .....	.55 : .60	Millet Seed, dom, yellow bags .....	.03 1/2 : .04 1/2	Powdered, 200 lb bbls .....	.11 1/2 : .13
Larkspur Seed, bags	3.25 : 4.25	Montan Wax, crude bags .....	.08 : .07	Verona, bags .....	.08 : .10
Laurel Berries, bags .....	.10 : .11	Bleached .....	.. : ..	Powdered, 200 lb bbls .....	.11 : .12
Leaves, Greek bags .....	.05 : .05 1/2	Moss, Iceland, bales .....	.08 1/2 : .10	Fingers, cans .....	.58 : .60
Italian bales .....	.04 1/2 : .05	Irish, bleached, bales .....	.11 : .12	Oxocortie Wax, brown hard bags .....	.24 : .25
American, bales .....	.25 : .35	Salick, bales .....	.13 : .13	Green, hard bags .....	.28 : .29
Lavender Flowers, ordinary .....	.33 : .34	Mullein Flowers, tins .....	.85 : .90	Bafined, yellow, bags .....	.. : .37
Selected .....	.30 : .38	Musk, pods, Carbadine, tins	16.00 : 17.00	PAPRIKA, bags .....	.18 : .22 1/2
Leeches tube	Per 100 3.20 : 3.75	Tonquin	23.00 : 25.00	Fareira Brava Root, bags .....	.11 : .12
Lemon Peel, bags .....	.08 1/2 : .09	Grain Cab.	25.00 : 26.00	Parley Seed, bags .....	.15 : .17
Licorice Root, Russian, whole .....	.03 : .04	Tonquin	35.00 : 38.00	Patchouli, Leaves, bales .....	.19 : .20
Spanish, natural bales .....	.07 : .08	Synthetic, see Chemicals .....	.. : ..	Pellitory Root, bales .....	.19 : .20
Powdered, bbls .....	.13 : .13	Musk root, Russian bags	1.35 : 1.65	Pennyroyal .....	.07 : .10
Selected, 2 & 5 lb bundles .....	.11 : .12	Mustard Seed Bari brown bags .....	.12 : .12 1/2	Pepper, black, Sing. bags .....	.14 : .14 1/2
Cuttings, 125 lb bags .....	.04 1/2 : .07	Bombay, brown .....	.07 1/2 : .08 1/2	White bags .....	.25 1/2 : .26
Turkish, 150 lb bales .....	.03 : .03 1/2	California, brown .....	.09 : .09 1/2	Aleppy, bags .....	.16 1/2 : .18 1/2
Life Everlasting Herbs, bales .....	.05 : .05	Yellow .....	.11 1/2 : .11 1/2	Lampong, bags .....	.18 : .18 1/2
Lime Juice, clarified bbls .....	.60 : .65	Chinese yellow .....	.05 1/2 : .06 1/2	Tailed cherry, bags .....	.16 1/2 : .17
Landen Flowers with leaves, bales .....	.11 : .11 1/2	English, yellow .....	.09 : .10 1/2	Munstock, bags .....	.25 1/2 : .26
Without Leaves, bales .....	.19 : .20	Dutch, yellow .....	.08 1/2 : .09 1/2	Red Chillies, Japan No. 1, lbs .....	.31 : .31 1/2
Lobelia Herb, bales .....	.40 : .45	Danish, yellow .....	.08 1/2 : .08 1/2	Mombassa, bags .....	.09 : .09 1/2
Lobelia Seed, bags .....	.62 : .65	Myrrh Gum, select, 200 lb cs .....	.24 : .28	Talay, bags .....	.10 : .11
Lorag Root, Imported, bags .....	.30 : .35	Soria, cases .....	.20 : .24	Capiteum, Bombay, bags .....	.11 : .11 1/2
Lupulin, N.F. tins	1.55 : 1.60	NUTGALLS, Chinese, bags .....	.17 : .18	Peppermint Leaves, imp. bales .....	.18 : .22
Banda, No. 1 cases	1.00 : 1.05	Aleppy, bags .....	.20 : .22	Cuts, bales .....	.12 : .14
Lycopodium, 88 lb cs .....	.85 : .90	Nutmegs, 110s cases .....	.54 : .55	Domestic leaf .....	.18 : .19
MACE, Siam, No. 1	1.05 : 1.06	75s, 80s, cases .....	.59 : .61	Peru Balsam, see Balsams : ..
Banda, No. 2, cases	1.07 : 1.10	Grinding, bags .....	.48 : .50	Mehl Leaves, bags .....	.17 : .19
Batavia, No. 1, cases .....	.88 : .90	Nux-Vomica Buttons, bags .....	.05 : .06	Pimento Select, bags .....	.08 : .08 1/2
West India, cases .....	.85 : .87	Powdered, 200 lb bbls .....	.07 1/2 : .10	Pink root, true bags .....	.68 : .75
Malva Flowers, blue bales .....	.34 : .37	BAK BARK, red bags .....	.05 : .06	Pitch, Burgundy, see Burgundy Pitch : ..
Black, bales .....	.55 : .60	White, bags .....	.06 : .07	Plantain Leaves, bales .....	.. : .12
Manoca Root, bales .....	.17 : .22	Olibanum Gum, Sift 280 lb cases .....	.10 1/2 : .11	Pleury Root, bags .....	.15 : .17
Manna, large flake, cases .....	.60 : .70	Tears, 280 lb cases .....	.. : ..	Pole Berries, bags .....	.09 : .10
Small flake, cases .....	.38 : .40	No 1, all white 280 lb .....	.22 : .23	Pomegranate Bark, of root bags .....	.. : .35
Soria, cases .....	.. : .30	No 2, 280 lb cases .....	.13 : .14	Of Fruit, bags .....	.. : .30
Mandrake Root bags .....	.10 : .12	Optum, gum, USP, cases	13.00 : 13.00	Of Tree .....	.. : .30
Marjoram Leaves, German, bales27 : .33	Granular, cans	13.00 : 14.00	Pappy Flowers, red bags25 : .27
African, bales : : : : : ..

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Crude Drugs

Poppy Seed, Dutch, bags.....D	.10	: .10%	Savory Leaves, bales.....D	.07%	: .10%	Spruce Gum, boxes.....D	1.00	: 1.50
German, bags.....D	.09%	: .10	Saw Palmatist Berries, bags.....D	.40	: .45	Squaw Vine, bales.....D	...	: .18
Turkish, bags.....D	.09	: .09%	Scammony Resin, boxes.....D	1.35	: 1.50	Squills, white.....D	.05	: .06
Else Indian, bags.....D	...	: ...	Scammony Root, bags.....D	.09	: .09%	Powdered, bulk.....D	.13	: .14
White Indian, bags.....D	.08	: .08%	Senega Root, bags.....D	.52	: .54	Wavescro Seed, bags.....D	.35	: .37
Prickly Ash Bark, Southern, bags.....D	.21	: .22	SENNA, Alex 150D cases.....D	.22	: .23	Sticklac, 250D bales.....D	.35	: .40
Northern, bags.....D	...	: ...	Half Leaf, 350D bales.....D	.13	: .14	Stillinga Root, bags.....D	.09%	: .12
Prickly Ash Berries, bags.....D	.12	: .14	Stiffings, 400D bales.....D	.10	: .11	Stone Root, bags.....D	.09	: .10
Prince's Pine, bales.....D	.20	: .25	reworked, 200D bbls.....D	.14	: .14%	St. Ignatius Beans, bags.....D	.13	: .14
Pulsatilla Herb, bags.....D	.12	: .13	Tinnerelly, Boid, 350D bbls.....D	.14	: .14	St. John's Bread, bags.....D	.08	: .09
Pumpkin Seed, bags.....D	.18	: .20	Medium Leaf.....D	.11	: .14	Stramonium Leaves, bales.....D	.09%	: .10
QUASSIA CHIPS, bags.....D	.07	: .07%	small Leaf.....D	.08	: .11	Stramonium Seed, bags.....D	.10	: .11
Queen of the Meadow Herb, bags.....D	...	: .06	Powdered, 200D bbls.....D	.09%	: .10	Strophanthus Seed, Hispidus.....D	...	: nom
Quince Seed, bags.....D	.80	: .85	Pods, 350D bales.....D	.17	: .18	Kombo bags.....D	...	: nom
RAPE SEED, South Amer. bags.....D	.06%	: .07	Serpentaria Root, bags.....D	.85	: .90	Styrax, Liquid artif.....D	.35	: .40
Dutch, bags.....D	.08	: .08%	Shellac, D. C. bags.....D	.77	: .79	Gen. USP.....D	.45	: .60
Japanese, small, bags.....D	.07%	: .08	V.S.O. bags.....D	.77	: .79	Sunflower Seed, domestic bags.....D	.05%	: .06%
Raspberries, dried bbls.....D	.50	: .52	Diamond I. bags.....D	.77	: .79	South American, bags.....D	.05	: .05%
Red Saunders.....D	.17	: .19	Superfine, Orange bags.....D	.55	: .57	TAGALDER BARK, bags.....D	.05	: .06
Rhatany Root, bags.....D	.08%	: .09	Fine, bags.....D	.62	: nom	Tamarinds, bbls.....D	.07	: .08
RHUBARB, Root, H. D. cases.....D	.38	: .40	T. N. bags.....D	.51	: .53	Kops.....D	3.75	: 3.80
Powdered, 200D bags.....D	.42	: .45	Garnet, A. C.....D	.51	: .52	Tansy Herb, bales.....D	.18	: .19
Rosemary Leaves, bales.....D	.06%	: .07	nuton bags.....D	.76	: .76	Tar, Barbadoes, 50 gal. bbls.....gal	1.40	: 1.50
Rosemary Flowers, cases bbls.....D	...	: .40	Mischel, ground, bbls.....D	.56	: .55	Thus Gum, 280D bbls.....D	.09	: .10
Scor Petals, pale.....D	.37	: .30	Bone Dry, bbls.....D	.60	: .66	Thyme, Spanish bales.....D	.08	: .08%
Red.....D	...	: 1.25	Sideritis Herb, cut bags.....D	.15	: .18	French, bales.....D	.08	: .08%
Blue Herb, bales.....D	.18	: .20	Stimaruba Bark, bales.....D	.08	: .09	Tilla, see Linden	...	: ...
SABADILLA SEED, bags.....D	.14%	: .16	Skullcap Leaves, Eastern, bales.....D	.60	: .62	Tolu Balsam, See Balsams	...	: ...
Powder, bbls.....D	.20	: .21	Western bales.....D	.32	: .34	Tonga Bark, bags.....D	.70	: .75
Saffron Flowers, Amer. Bales.....D	.50	: .55	Skunk Cabbage Root, bales.....D	.13	: .16	Tonka Beans, Angustura, cases.....D	2.00	: 2.10
Valencia, 1D cases.....D	\$1.00	: \$2.00	Snake Root, Canada, natural, bags.....D	.34	: .35	Para, cases.....D	.85	: .90
Sage, Dalmatian, bales.....D	.04%	: .05%	Stripped, bags.....D	.50	: .65	Surinam, cases.....D	.85	: .95
Greek, bales.....D	.03%	: .04	SOAP BARK, whole, 150-200D.....D	.10	: .12	Tragacanth Gum, No. 1 ribbon.....D	1.45	: 1.50
Spanish, bales.....D	.09	: .08%	Cut, 125-175D bags.....D	.09%	: .10%	100D ca.....D	1.15	: 1.30
Sandalwood, chips, bags.....D	.16	: .19	Crushed, 200D bbls.....D	...	: .11%	Powdered, 50D boxes.....D	.87	: .92
Ground, bags.....D	.21	: .22	Spearment Leaves, American bales.....D	.27	: .20	Turkish, cases.....D	.45	: .85
Sandarac Gum, 300D bbls.....D	.45	: .46	Spermaceti, blocks, cakes, cases.....D	.42	: .43			
Sarsaparilla Root, Honduras, bales.....D	.70	: .73	Spikenard Root, bags.....D	.17	: .18			
Mexican.....D	.22	: .23						
Sassafras Bark, ordinary bales.....D	.15	: .17						
Select, bales.....D	.29	: .32						

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Essential Oils

Turmeric Root, Madras bags	10% :	11%
Aleppy, bags	09% :	09%
Powdered	13% :	14
China, bags	09 :	09%
Turpentine, Venice true 80 lb cs	27 :	28
Artificial, 80 lb cans	11 :	13
Spirits, see Naval Stores		
UNICORN ROOT, false, see Helonias		
True, see Aletris		
Ora Ural Leaves, bales	05 :	05%
VALERIAN ROOT, Belgian bags	40 :	50
Vanilla Beans, Mex. whole cases	9.50 :	10.50
Cuts, cases	8.25 :	8.50
Bourbon, cases	3.50 :	9.00
South American, cases	8.50 :	9.00
Tabiti, yellow label cases	7.50 :	8.00
Green Label, cases		
Velvet Root, 100 lb bags	25 :	26
Violet Flowers, bags	80 :	95
WANGO BARK, of root bags	75 :	80
Of Tree, bags	30 :	32
White Pine Bark, rosed, bags	07% :	08
White Poplar Bark, bags	06 :	07
Wild Cherry Bark, thin green		
Rosed, bales	12% :	14
Thick Rosed, bales	07 :	09
Thin Natural, bales	09 :	09%
Thick Natural, bales	06 :	07
Willow bark, bags		06
White, bags		15
Witch Hazel Bark, bgs	07% :	09
Leaves, bales	07% :	09
Worm Seed, American, bags	08 :	08%
Levant, bags	2.90 :	3.00
Wormwood Herb, imported bales		10
Yacca Gum, red	04 :	04%
Ground	05% :	06%
Yellow Root (Zanthoxis) bgs	16 :	17
YELLOW DOCK ROOT, bags	12 :	14
Yellow Parilla Root, bags	16 :	17
Yerba Santa, bags	10 :	11
Zedary Root, bags	11 :	12

Essential Oils

Almond, Bitter, USP, 5 lb bot.	3.00 :	3.25
Bitter ff PA 5 lb bots	3.15 :	3.35
Sweet, 56 lb cans	73 :	95
Apricot Kernel, 50 lb cans	50 :	55
Amber, crude, 25 lb tins	50 :	60
Rectified, 25 lb tins	75 :	80
Angelica Root, 1 lb bot.	25.00 :	35.00
ANISE, Tech, 66 lb case	70 :	72
USP, 60 lb cans	72 :	75
Bay, 25 lb tins	2.25 :	2.35
Terpeneless	6.00 :	6.50
Bergamot, 25 lb coppers	3.75 :	4.00
Terpeneless	10.00 :	14.00
Artificial, 25 lb cans	2.00 :	2.20
Birch Tar, rect. 5 lb bot.	50 :	60
Crude, 50 lb tins	20 :	25
Bois de Rose, 25 lb tins	3.50 :	3.75
Cade, 25 lb cans	30 :	35
Cajuput, native, 50 lb tins	75 :	80
Calamus, 5 lb bot.	3.75 :	4.00
Camphor, Sassy 1000 lb drs		14%
White, 1000 lb drs	11% :	12
Cane, 50 lbs	14 :	14%
Cananga, native, 25 tins	2.30 :	2.40
Rectified, 25 lb tins	2.75 :	3.00
Caraway, USP	1.75 :	2.00
Cardamom, USP, 1 lb bot.	40.00 :	45.00
Carvol, 5 lb bot.	8.75 :	9.75
Cascarilla, USP, 1 lb bot.	50.00 :	52.00
CASSIA, 80-85 pc 400 lb	2.10 :	2.25
Redistilled, USP, 50 lb cans	2.50 :	2.75
Cedar Leaf, 50 lb tins	82% :	90
Cedar Wood, light 1000 lb drs	55 :	60
Celery, 1 lb bot.	8.75 :	9.00
Chaulmoogra, 80 lb cans	85 :	90
Cinnamon, Ceylon, 1 lb bot.	10.50 :	11.00
Leaf, 5 lb bot.	1.40 :	1.50

CITRONELLA, Ceylon

1000 lb drums	55 :	58
50 lb tins	57 :	60
Java, 400 lb drums	85 :	1.00
50 lb tins	1.05 :	1.15
Cloves, USP, 50 lb cans	1.82% :	1.90
6 lb bot.	1.90 :	2.00
Copaiba,	48 :	50
Coriander, USP, 1 lb bot.	9.50 :	10.00
Croton, USP, 25 lb tins	90 :	95
Cubebs, USP, 5 lb bot.	4.50 :	4.75
Cumin, 1 lb bot.	10.50 :	11.00
Dill, 25 lb cans	3.75 :	4.00
Erigeron 20 lb tins	3.25 :	3.75
EUCALYPTUS, Austl. USP,		
50 lb cs	57 :	58
500 lb drums	55 :	58
Fennel, USP, 25 lb tins	80 :	90
Garadum, African, 25 lb cans	5.25 :	6.00
Bourbon, 25 lb tins	4.00 :	4.25
Turkish, 25 lb tins	3.75 :	4.00
Ginger, 1 lb bot.	10.00 :	11.00
Gingergrass, 25 lb tins	2.50 :	2.75
Hemlock, 25 lb tins	82 :	85
Juniper Berries, USP, 25 lb tins	2.35 :	2.50
Wood, 50 lb tins	50 :	55
Lavender, USP, 28 lb tins	5.25 :	6.00
Spike, Spanish, 50 lb cans	1.10 :	1.75
LEMONG, Ital USP, 25 lb cans	1.50 :	1.75
Terpeneless	8.00 :	10.00
American, USP, 25 lb cans		1.50
Lemongrass, native 50 lb cans	1.00 :	1.10
Limes, Express, 25 lb tins	6.25 :	6.50
Distilled, 25 lb tins	2.25 :	2.50
Linaloe, Mex, 80 lb cases	3.50 :	3.75
Mace, distilled, 50 lb tins	1.40 :	1.50
Mirbane, ref., see Ar. Chemicals		
Mustard, USP, 1 lb bot.	14.00 :	14.25
Artif, USP, 5 lb bot.	2.10 :	2.25
Neroli, Bigarde 1/2 & 1 lb bot.	75.00 :	100.00
Petale, 1 lb bot.	100.00 :	125.00
Artificial, 1 lb bot.	10.00 :	20.00

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Vetiver, USP, 25 lb tins.....	1.40	: 1.60
Orange, bitter, 25 lb tins.....	2.70	: 2.75
Sweet W Ind, 25 lb tins.....	2.55	: 2.75
Italian, 25 lb cop.....	2.65	: 3.00
American 25 lb tins.....	2.70	: 2.80
Distilled, 25 lb tins.....	1.70	: 1.75
Spanish, 25 lb tins.....	2.75	: 2.90
Origanum, 50 lb cans tech.....	.25	: .28
Parley, 1 lb bot.....	3.50	: 3.60
Patchouli, 5 lb bot.....	4.50	: 5.00
Pennyroyal, dom, 25 lb tins.....	1.90	: 2.00
Imported, 25 lb tins.....	1.65	: 1.70
PEPPERMINT, nat, 60 lb cases.....	19.00	: 20.00
Redis, USP, 60 lb cases.....	20.00	: 22.00
Petit Grain, S. A. 25 lb tins.....	2.15	: 2.20
French, 1 lb bot.....	6.50	: 7.00
Italian, 25 lb tins.....	2.20	: 2.30
Pimento, 25 lb tins.....	3.50	: 3.85
Pinus Sylvestris 25 lb tins.....	.85	: 1.25
Pumilio, USP, 25 lb tins.....	2.25	: 2.50
Rose, Fr. 8, 16, & 32 oz pks.....	9.00	: 9.50
Bulg, 8, 16 & 32 oz pks.....	9.50	: 11.00
Artificial, 1 lb bot.....	2.00	: 2.75
Rosemary, USP, 27 1/2 lb tins.....	.47 1/2	: .52 1/2
1000 drums.....	.45	: .47
Tech. 27 1/2 lb tins.....	.37 1/2	: .38
Rue, 1 lb bot.....	...	: 4.00
sandalwood, E. Ind., USP, 75 lb cases.....	7.00	: 7.10
W. Indian (Amayris) 25 lb tins.....	2.25	: 2.35
Sassafras, USP, 50 lb cans.....	.90	: 1.10
Artificial, 1000 lb drs. 60 lb cans.....	.27	: .30
Savin, 50 lb tins.....	2.15	: 2.20
Spearmint, USP, 60 lb cases.....	8.00	: 8.50
Spruce, 50 lb tins.....	.82	: .85
Tansy, Amer., 20 lb tins.....	3.10	: 3.25
Tar, 50 gal blis.....	.25	: .30
Refined, USP 25 lb tins.....	...	: ...
Thyme, red, USP, 25 lb tins.....	.80	: .85
White, USP, 25 lb tins.....	.95	: 1.00
Tech, 110 lb drums.....	.65	: .70

Vetiver, Bourbon, 1 lb bot.....	12.00	: 14.00
Indian, 1 lb bot.....	30.00	: 40.00
Java, 1 lb bot.....	20.00	: 22.00
Wine, heavy, 1 lb bot.....	...	: 1.50

WINTERGREEN

Sweet beh., 25 lb tins.....	2.50	: 3.00
Southern, 25 lb tins.....	1.85	: 2.00
Gaultheria, true 25 lb tins.....	7.00	: 8.00
Southern, 25 lb tins.....	3.75	: 4.00
Synthetic, see Methyl Salicylate		
Wormseed, Balt USP, 25 lb tins.....	3.10	: 3.25
Wormwood, dom. 25 lb tins.....	4.00	: 4.50
Ylang Ylang, Bourbon, 10 lb tins		
No 1.....	9.00	: 10.00
No. 2.....	6.00	: 7.00
Manila, 1 lb bot.....	35.00	: 40.00

OLEORESINS

Aspidium, USP, 1 lb bot.....	2.00	: 2.25
Capicum, USP, 1 lb bot.....	2.00	: 2.25
Cubeb, USP, 1 lb bot.....	4.00	: 4.50
Zinger, 5 lb bot.....	3.25	: 3.50
Maisfern, See Aspidium		
Orris, 1 lb bot.....	15.00	: 18.00
Pepper, black USP, 1 lb bot.....	3.50	: 3.75
Vanilla, 1 lb bot.....	16.50	: 22.00

Aromatic Chemicals

NATURAL DERIVATIVES

Anethol, 2 lb bot.....	1.00	: 1.25
Barnes, 1 lb bot.....	2.50	: 2.60
CITRAL, 250 cans.....	2.75	: 3.00
Citronellal 1 lb bot.....	2.50	: 3.00
EUCALYPTOL, USP, 50 lb cans.....	.90	: .95
Eugenol, USP, 25 lb cans.....	2.75	: 3.00
Geraniol, Doemetic, 50 lb cans.....	3.00	: 3.50
Imported, 5 lb bot.....	3.25	: 3.75
Iso-Eugenol, 1 lb bot.....	3.75	: 3.90
Imported.....	3.75	: 3.90

Linalool, 5 lb bot.....	6.00	: 6.25
From Bois de Rose, 5 lb bot.....	7.00	: 7.25
MENTHOL, 60 lb cases.....	11.25	: 11.50
less cases, 5 lb cans.....	11.40	: 11.75
Rhodinol, 1 lb bot.....	16.00	: 20.00
Extra, 1 lb bot.....	35.00	: 42.00
SAFFROL, drums.....	.31	: .32
60 lb cans.....	.33	: .34
Thymol, USP, 25 lb tins.....	3.75	: 4.00

SYNTHETIC AROMATICS

Acetophenone, CP 1 lb bot.....	3.50	: 3.75
Aldehyde, C-8 (Octyl) 1 lb bot.....	45.00	: 60.00
C-9 (Nonyl), 1 lb bot.....	70.00	: 75.00
C-10 (Decyl), 1 lb bot.....	50.00	: 58.00
C-12 (Dodecyl), 1 lb bot.....	27.50	: 32.50
C-14, 1 lb bot.....	22.50	: 25.00
C-16, 1 lb bot.....	70.00	: 80.00

Aubepine, see Anisic Aldehyde

Amyl Acetate, pure 5 gal cans. gal	4.75	: 5.50
Butyrate, 1 lb bot.....	1.90	: 2.00
Cinnamate, 1 lb bot.....	4.00	: 4.50
Formate, 1 lb bot.....	1.75	: 2.00
Phenyl Acetate, 1 lb bot.....	4.50	: 5.00

SALICYLATE, dom. 100 lb

chys.....	1.45	: 1.50
Imported.....	2.25	: 2.50
Valerate, 5 lb bot.....	2.75	: 3.00
Anisic, Aldehyde, 1 lb bot.....	3.00	: 3.25
BENZALDEHYDE, USP, 40 lb chys.....	1.30	: 1.40
FFC, 40 lb chys.....	1.40	: 1.50
Imported, USP.....	1.00	: 1.10

Benzole Ether, See Ethyl Benzoate

Benzophenone 1 lb bot.....	4.50	: 5.00
Benzyl Acetate, 100 lb chys.....	1.35	: 1.50
Alcohol, 5 lb bot.....	1.45	: 1.50

BENZOATE 5 lb bot.....	1.35	: 1.40
Medicinal FFC.....	1.45	: 1.60
Butyrate, C.P., 1 lb bot.....	6.00	: 6.50
Cinnamate 1 lb bot.....	9.75	: 10.00
Formate, 1 lb bot.....	3.25	: 3.50

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Aromatic Chemicals

Benzyl Propionate, 1 lb bot.	5.00	5.25	iso-Safrol, 1 lb bot. imp.	3.75	4.00	Terpinyl Acetate 25 lb cans	1.25	1.35
Bornyl Acetate, 1 lb bot.	3.25	3.50	Domestic, 5 lb bot.	3.50	3.75	Imported, 25 lb cans	1.25	1.35
Bornylol, 25 lb cans	3.75	4.25	Linalyl Acetate, 1 lb bot.	8.00	9.50	TEMPEROL, CP, 1000 lb drs. ....	.35	.37
allyl Anthranilate, 1 lb bot. com. D	...	16.00	Benzoate, 1 lb bot.	13.00	14.00	Cans, 50 lb. ....	.39	.41
allyl Ether. See Ethyl Butyrate			Formate, 5 lb bot.	10.50	12.00	Absolute, 25 lb cans ....	.50	.70
Cinnamic Acid, 5 lb cans	2.90	3.25	Methyl Acetophenone	3.75	4.00	Imported, 25 lb cans ....	.40	.42
Alcohol, liquid 1 lb bot.	6.00	7.00	ANTHRANILATE dom. 1 lb bot.	2.50	3.25	VANILLIN, USP, 500 oz. cans. ....	...	.49 1/2
Crystallizable	7.00	8.00	Imported	2.75	3.75	Cans, 16 oz., 80 oz. ....	.50	.51
Aldehyde	3.00	3.25	Benzoate, 5 lb bot. import.	1.90	2.00	Second Hands ....	.47	.50
CITRONELLOL, 1 lb bot.	7.50	9.00	Domestic, 5 lb bot.	1.75	2.00	Valerianic Ether. See Ethyl Valerate		
Imported 1 lb bot.	7.75	9.00	Cinnamate, 1 lb bot.	3.75	4.25	Yara Yara, 1 lb cans	1.50	1.60
linalyl Acetate, 1 lb bot.	13.00	14.00	Heptenone, 1 lb bot.	8.00	8.50	PERFUMERS' SUNDRIES		
CUMARIN, 25 lb cans	2.10	3.25	Paracumol, 1 lb bot.	8.00	9.00	Almond Meal, 25 lb cans ....	.24	.25
METHYL PHTHALATE, 25 lb cans ....	.35	.38	Phenylacetate, 5 lb bot. dom.	3.75	4.00	Amber, liquid, 400 lb drs.	2.30	2.50
500 lb drs. ....	.30	.33	SALICYLATE, USP 500 lb			Ambergris, black, bxs.	8.00	10.00
Diphenylsulfide, 25 lb tins. ....	.85	.90	drums ....	...	.43	Ambergris, gray, bxs. ....	...	26.00
Ethyl Acetate, pure, 5 lb bot. ....	.45	.50	50 lb cases ....	...	.45	Balsam Copaiba, Para, 80 lb cases ....	.54	.55
Benzoate, 5 lb bot.	1.75	1.90	Second Hands ....	.42	.43	Pepp, 120 lb cases ....	.58	.60
Butyrate, 5 lb bot.	1.90	2.10	Musk Ambrette, 1 lb cans.	10.00	10.50	Tolu, 90 lb cases	1.40	1.50
Caproate, 1 lb bot.	3.15	3.50	Mirbane, rect., 1000 lb drums. ....	.12	.14	Bennoin Gum, Siam, bxs.	1.30	1.35
Cinnamate, 1 lb bot.	3.50	3.75	Ketone, 1 lb cans	11.50	12.00	Castoreum, 1 lb bot.	3.75	4.00
Formate, 5 lb bot. ....	.90	1.25	Xylene, 5 lb cans	3.25	3.50	Chalk, precip. light, 175 lb bbls. ....	.04 1/2	.05
Ethyl-methyl Paracumol, 1 lb bot.	3.25	3.50	Nerolin, 1 lb cans	1.50	1.60	Cherry Laurel Water, 5 gal cans.	1.15	1.25
Ethyl Phenylacetate, 5 lb bot.	3.75	4.00	Oenanthe Ether, 1 lb bot.	1.75	2.00	Civet Abyssin horns	2.10	2.25
Propionate, 1 lb bot.	1.75	2.00	Para-Cymene, Refd., 110 gal. drs.	2.25	2.50	Labdanum, 5 lb bot.	7.50	8.00
Valerate, 5 lb bot. ....	...	3.75	Phenylacetaldehyde, Dom.,			Lanolin hydrous, 350 lb bbls. ....	.15	.21
Salicylate, 5 lb bot.	2.00	2.10	1 lb bot. 50 p.e.	8.00	8.50	Anhydrous, 350 lb bbls. ....	.18	.23
Formic Ether. See Ethyl Formate			Imported, 50 p.e.	7.00	7.50	Musk pods, Cabardine, tins.	16.00	17.00
Geranyl Acetate, 1 lb bot.	4.50	5.00	80-85 p.e.	14.00	16.00	Tonquin, tins.	22.00	25.00
Butyrate, 1 lb bot.	13.00	13.50	Phenylacetic Acid, 1 lb bot.	3.00	3.25	Grains, Cabardine, tins.	35.00	38.00
Formate, 1 lb bot.	12.00	13.50	Phenyl Diacetate, 1 lb bot.	3.25	3.50	Tonquin, tins.	34.00	35.00
Hellotropin, dom., 100-10 lbs.	1.85	2.00	1 lb bot.	8.00	10.00	Synthetic. See Aromatic Chemicals		
Imported	2.00	2.25	Imported	7.00	7.75	Orris Rt. Flor., powd bbls. ....	.12	.13
Hydroxycitronellal, 1 lb bot.	12.00	14.00	Phenylethyl Alcohol, 1 lb bot.	6.00	7.00	Verona, powd bbls. ....	.10	.11
Indol, CP, 1 oz. bot.	6.00	6.50	Phenylethyl Butyrate, 1 lb bot.	26.00	28.00	Petrolatum, snow white 350 lb bbls. ....	.13 1/2	.14
Iosone, 1 lb bot. 100%	10.00	11.00	Formate, 1 lb bot.	19.00	21.00	Light Amber, 350 lb bbls. ....	.04 1/2	.05 1/2
Alpha	14.50	16.00	Propionate, 1 lb bot.	20.00	24.00	Rice Starch, 140 lb bgs. ....	.09	.10
Beta	12.75	14.50	Valerate, 1 lb bot.	25.00	29.00	Rose Water, 6 2-3 gal chgs.	1.00	1.25
Methyl	16.00	18.00	Phenylpropylalcohol, 1 lb bot.	15.00	16.00	Sandalwood chips, powd., bags. ....	.30	.35
iso-Butyl Benzoate, 5 lb bot.	4.75	5.00	Skatol, 1 oz. bot.	7.00	7.25	Sapenda, 5 lb tins.	1.15	1.30
						Tale, Italian, 220 lb bgs.	60.00	60.00
						French, 220 lb bags.	40.00	45.00
						Domestic, ref., 100 lb bags.	14.00	15.00

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ALBUMEN—10 cks., Amer. Exch Nat Bank, Hamburg; 80 cs., Dodwell & Co., Shanghai
ALCOHOL—Denatured, 200 brls., C. Esteve, San Juan
ALOE—25 bls., Suzarte & Whitney, Curacao; 33 cs., Order, La Guaira; 100 cs., R. Desvernine, La Guaira
AMMONIUM—Carbonate, 5 cks., 5 brls., Brown Bros. & Co., Liverpool; 15 cks., J. Turner & Co., Liverpool
ANTIMONY—10 brls., E. M. Sergeant & Co., Hamburg; Crude, 100 cs., C. Hardy Inc., Hankow; 250 cs., Harshaw Fuller & Goodwin, Hongkong; Regulus, 500 cs., C. Hardy Inc., Hankow; 250 cs., Order, Hongkong; 250 cs., W. R. Grace & Co., Hongkong; 250 cs., F. A. Cundill & Co., Hongkong; 100 cs., MacGregor Exports Co., Shanghai; 1,250 cs., Wah Chang Tdg Corp., Shanghai
ARGOLS—28 sks., W. R. Grace & Co., Valparaiso
ARSENIC—20 cks., L. H. Butcher & Co., London
BALSAM—5 cs., Ultramares Corp., Acapulco; 5 cs., Hamberger Polhemus Co., Acapulco; Catali, 13 cs., Eggers & Heinlein, Ciudad Bolivar
BARIIUM HYDRATE—114 brls., Order, Hamburg
BARKS—40 bgs., P. E. Anderson & Co., 60 bls., S. B. Penick & Co., Hamburg; Angostura, 18 bgs., S. B. Penick & Co., Hamburg; Mangrove, 510 bgs., Order, Cape Haitien; Quillay, 10 bgs., Order, Hamburg; 66 bls., W. R. Grace & Co., Coquimbo; 71 bls., W. R. Grace & Co., Talcahuano; Wattle, 1,366 bgs., I. R. Boody & Co., Durban; 1,682 bgs.,

Amer Trdg Co., Durban; 587 bgs., Smith Kirkpatrick & Co., Durban; 857 bgs., Standard Bank of So. Africa, Durban; 317 bgs., E. R. Legg & Co., Durban
BARYTES—300 bgs., L. H. Butcher & Co., Hamburg; 140 cks., Toch Bros., London
BEECHWOOD CREOSOTE—50 cts., Order, Hamburg
BENZALDEHYDE—5 cs., Order, Hamburg
BITUMINOUS TAR—1 brl., Order, Hamburg
CALCIUM—Carbide Ash, 4 drs., United Fruit Co., Cristobal
CALCIUM CHLORIDE—279 drs., Order, Hamburg
CANELLA—White, 4 bls., R. Hillier Sons Co., Hamburg
CASEIN—234 bgs., Euit Trust Co., Bordeaux; 4 bgs., Casein Co., Bristol
CHALK—500,000 kilos Amer Exch Nat Bank, Dunkirk; 800,000 kilos, J. W. Higman Co., Dunkirk; 500 bgs., Reichard Coulston Inc., Antwerp; 500 tons, Baring Bros. & Co., London; Precipitated, 500 bgs., H. J. Baker & Bro., Bristol
CHAMOMILE SIFTINGS—59 bls., J. L. Hopkins & Co., Hamburg
CHROMIUM OXIDE—20 bgs., Order, Glasgow
CLAY—501 tons, Moore & Munger, Bristol; China, 16 cks., Armand Co. Inc., London; 50 bgs., Order, Bristol
COAL TAR DISTILLATE—116 drs., Order, Liverpool; Products, 27 cks., Grasselli Dyestuff Corp., Hamburg
COBALT OXIDE—5 cs., Lunham & Moore, Bremen
COCHINEAL—38 bgs., Amer Trdg Co., Liverpool
COLORS—4 cks., Franklin Import & Export Co., Hamburg; 3 cs., Drakenfeld & Co., Havre; 7 cs. Wetterwald & Pfiste Co.,

Havre; 3 brls., Irving Bank, Genoa; 6 cs., L. Uhlfelder, Hamburg; 2 cks., Siemon & Elting Co., Liverpool; 2 brls., L. & R. Organic Products Co., Antwerp; 3 brls., Bernard Bernard, Antwerp; 5 cks., Ackerman Color Co., Antwerp; 4 kegs, Bernard Bernard Co., Antwerp; 4 cs., 8 cks., Grasselli Dyestuff Co., Rotterdam; 3 cks., H. A. Metz, Rotterdam; 30 cs., 49 cks., Kuttroff Pickhardt & Co., Rotterdam; 26 cks., Order, Bremen; 4 cks., H. A. Metz & Co., Hamburg; 1 ck., Devoe & Raynolds, London; 3 cs., J. C. Robold & Co., London; 15 cks., P. Uhlich & Co., Hamburg; 2 cks., Amer Exch Nat Bank, Havre; 24 tubs, Sandoz Chem Works, Havre; 3 brls., Carbic Color & Chem Co., Havre; 107 pgs., Ciba Co. Havre; Bronze, 2 cs., Wedemann Godknight & Lally, Hamburg; 11 cs., B. F. Drakenfeld & Co., Bremen; 5 cs., Gallagher & Ascher, Hamburg; 8 cs., Gallagher & Ascher, Hamburg; 2 cs., Atlantic Fwdg. Co., Hamburg; 7 cs., H. Pictzsch, Hamburg; 8 cs., J. E. Mandlik, Hamburg; 34 cs., Baer Bros., Hamburg; 19 brls., Amer Exp Co., Bremen; Cal Tar, 8 cks., 1 cse., H. A. Metz, Rotterdam; 3 cks., Bachmeier & Co., Hamburg; Earth, 20 brls., Hummel & Robinson, Rotterdam; 47 cks., A. Hurst & Co., Rotterdam; 10 brls., Order, Hamburg
COPPER—Carbonate, 14 cks., A. J. Marcus Inc., Bordeaux
CREOSOTE—7,077 tons, 10 cwt., Order, Hull
DEXTRIN—25 bgs., Spier Simmons & Co., Rotterdam
DICHLORETHYLENE—16 drs., Roessler & Hasslacher Chem Co., Hamburg
EPSOM SALTS—300 cks., A. Pickering & Co., Hamburg
ERGOT—25 bgs., Order, Hamburg

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- FULLERS EARTH**—550 bgs., L. A. Salomon & Bros., London; 250 bgs., Gallagher & Ascher, London
- GALLNUTS**—100 bgs., Gulbenkian Bros. & Co., Hamburg; 510 bgs., Zinsser & Co., Hankow
- GLUE**—260 bgs., J. D. Shore & Co., Rotterdam; 28 bls., T. M. Duché & Sons, Antwerp; 35 cks., W. E. Miller, Havre; 20 bgs., G. H. Hommel, London; 10 cks., Order, Bordeaux; 5 cks., 5 bgs., P. Puttmann, Bordeaux; Bone, 100 bgs., Pfaltz & Bauer, Hamburg; Fish, 10 brls., Dennison Mfg Co., Aberdeen
- GLYCERIN**—52 drs., Marx & Rawolle, Antwerp; 4 drs., Order, Antwerp; 1 drum, Armour & Co., Bordeaux; 97 drs., Core & Herbert, Bordeaux
- GUMS**—15 brls., Order, Bordeaux; Arabic, 378 bgs., Thurston & Braidich, London; Copal, 518 bgs., Order, Antwerp; 96 bgs., Capital Nat Bank, Antwerp; 32 bgs., S. Winterbourne & Co., London; 196 bgs., Innes & Co., Singapore; Damar, 100 cks., Order, Batavia; Mastix, 20 cks., Order, Piraeus; Olibanum, 106 cks., Order, Bombay; Tragacanth, 114 cks., Order, Hamburg; 5 cks., F. Vliet & Co., London; 14 bgs., 30 cks., Bk. of Montreal, London
- HERBS**—22 bls., Peck & Velsor, Hamburg; 2 bgs., 3 bls., R. Hillier Sons Co., Hamburg; 17 bls., Peck & Velsor, Hamburg; 10 cks., Order, Gravosa
- HYDROGEN PEROXIDE**—35 carboys, Clegg Chem Co., London; 15 carboys, H. Sundheimer, London
- IRON & AMMONIUM CITRATE**—2 cks., Order, Hamburg
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- IRON OXIDE**—23 cks., L. H. Butcher & Co., Liverpool; 40 cks., Reichard Coulston Inc., Liverpool; 60 cks., E. M. & F. Waldo, Liverpool
- JUICES**—Lemon, 500 cks., J. Munroe & Co., Messina; 35 cks., Columbo Co., Messina; Lime, 850 cks., 100 puns., J. P. Smith & Co., London; 175 cks., T. A. Hedley, Liverpool; 475 cks., J. P. Smith & Co., London
- LACTALBUMEN**—Solution, 9 cks., H. A. Metz & Co., Hamburg
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- LEECES**—3 tubs, General Transport Co., Naples
- LIME**—Nitrate, 51 bgs., Guaranty Trust Co., Brevik; 1 ck., R. W. Greeff & Co., Brevik Tartrate, 300 bgs., C. Pfizer & Co., Piraeus
- MAGNESIA**—4 cks., J. Natiello & Co., Genoa
- MAGNESIUM CALCINED**—25 cks., McKesson & Robbins, Hull; Chloride, 180 drs., Mira. Trust Co., Hamburg; 180 drs., Innis Speiden & Co., Hamburg
- MENTHOL**—5 cks., Order, Hamburg; 10 cks., Order, London; 25 cks., Bank of Manhattan Co., Marseilles
- MERCURY**—Bichloride, 8 cks., Fearon Brown & Co., Shanghai
- MINERAL WHITE**—100 bgs., Whittaker Clark & Daniels, Hull
- NICKEL SULFATE**—35 cks., Gallagher & Ascher, Rotterdam
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- OILS ESSENTIAL**—8 cks., Polaks Frutal Works, Rotterdam; 5 cks., Aer Exp Co., Havre; 3 cks., Meht & Daniel, Hamburg; 3 cks., Ungerer & Co., London; 1 drum, 3 cks., Dudge & Olcott, London; 5 cks., 3 drs., Brown Bros. & Co., London; 2 drs., Order, Bristol; 1 cse., Goldman Sachs Co., Marseilles; Amillico, 7 cks., Order, Bari; Aniline, 3 cks., Hensel Bruckmann & Lorbacher, Rotterdam; Aromatic, 4 pgs., Order, Hamburg; Cassia, 6 drs., Amer Exch Nat Bk., Hongkong; Geranium, 5 cks., Dodge & Olcott, Marseilles
- OPIUM**—5 cks., Order, Salonica
- OXIDE**—Red, 10 cks., J. L. Smith & Co., Hull
- PHOSPHATE**—100 cks., Brown Bros. & Co., Antwerp
- POTASSIUM SALTS**—Alum, 250 brls., Monmouth Chem Co., Hamburg; Bicarbonate, 28 cks., Mallinckrodt Chem Works, Rotterdam; Carbonate, 46 cks., Parsons & Petit, Hamburg; Caustic, 106 drs., Superfos Co., Hamburg; 219 drs., Innis Speiden & Co., Hamburg; 96 drs., Roessler & Hasslacher Chem Co., Hamburg; 75 drs., Goldschmidt Corp., Hamburg; 101 drs., A. Klipstein & Co., Hamburg; Chlorate, 2,000 bgs., Uniform Chem Products Co., Hamburg; 1,000 cks., Monmouth Chem Co., Hamburg; Cyanide, 10 cks., Assoc Metals Minerals Corp., Havre; Nitrate, 1,016 bgs., Kuttroff Pickhardt & Co., Hamburg; Perchlorate, 250 brls., C. Hardy Inc., Havre; Prussiate, 40 cks., A. Klipstein & Co., Hamburg
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- ROTENSTONE**—300 bgs., R. J. Waddell & Co., Hull; 33 cks., J. H. Rhodes & Co., Hull
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TARTAR—106 bgs., C. Pfizer & Co., Bordeaux; Cream, 50 brls., Order, Genoa
THORIUM NITRATE—10 cs., Pfaltz & Bauer, Bremen
ULTRAMARINE—40 cks., Van Oppen & Co., Hull
VANILLA BEANS—6 cs., H Triest & Co., Vera Cruz; 6 cs., J. A. Medina & Co., Vera Cruz; 8 cs., J. M. Lambert & Co., Vera Cruz; 26 cs., Thurston & Braidich, Vera Cruz; 8 cs., Gomez & Sloan, Vera Cruz; 28 cs., Dodge & Olcott Co., Vera Cruz; 48 cs., G. Lueders & Co., Havre; 41 cs., Brown Bros. & Co., Marseilles; 40 cs., Thurston & Braidich, Marseilles; 52 cs., Order, Marseilles; 8 cs., Dodge & Olcott, Marseilles
WAX—9 bgs., E. A. Canalizo Co., Sanchez Bees, 5 bgs., A. Canalizo & Co., Puerto Plata; 155 bgs., Order, Lisbon; Carnauba, 35 bgs., Order, Hamburg; Mineral, 40 bgs., Order, London; Montan, 375 bgs., Strohmeyer & Arpe Co., Hamburg; Spermaceti, 50 cs., Order, Glasgow; Paraffin, 13,720 bgs., Asiatic Petroleum Co., Balikpapan
WOOL GREASE—30 brls., 60 cks., 10 cs., Pfaltz & Bauer, Bremen; 100 brls., Kidder Peabody Acceptance Corp., Hamburg
ZINC—Oxide, 10 cs., C. L. Huisking, London; Sulfide, Puriss, 2 cks., C. A. Sykes, London; 2 cks., Claudins Ash Son & Co., London

IMPORTS AT PHILADELPHIA

July 8 to 15

ARSENIC—10 cks., Mechanics & Metals National Bank, Hamburg; Red, 100 drs., Order, Antwerp
BLUE ULTRAMARINE—2 bbls., Order, Antwerp
EXTRACT TANNING—15 cks., American Dyewood Co., Havre

GLAUBER'S SALT—884 bbls., Order, Hamburg
GLYCERIN—220 cks., Order, Marseilles; 56 cks., Order, Havre
KALIUM—20 bbls., Order, Hamburg
LOGWOOD—911 tons, St. Marc
MAGNESIUM CHLORIDE—360 drs., Manufacturers Trust Co., Hamburg
MANGANESE PEROXIDE—3 bbls., Order, Hamburg
OILS—Olive, 95 cs., Order, Marseilles; Rape, 50 bbls., Order, London
PHOSPHOROUS TRICHLORIDE—9 bottles, Order, Hamburg
POTASSIUM NITRATE—160 cks., Harshaw Fuller & Goodwin Co., Antwerp
SULFUR CHLORIDE—4 drs., Order, Hamburg
TAPIOCA FLOUR—2,345 bgs., Goldman, Sachs & Co., Calcutta

IMPORTS AT BOSTON

July 11 to 18

ACID—Oxalic, 30 casks, Order, Antwerp; Formic, 80 gals., Order, Antwerp
CHALK—1,200 bags, Brown Bros., Antwerp
CHEMICALS—20 cases, Meteor Products Co., Antwerp
CHINA CLAY—3,457 tons, English China Clay Sales, Fowey; 977 tons, Moore & Munger, Fowey
CHROMIUM FLUORIDE—5 cks., Order, Bremen
CREAM TARTAR—60 bbls., Brown Bros., France
CREOSOTE—70 drums, Order, Hamburg
GLAUBER SALTS—250 bags, Corn Exch Nat Bank, Hamburg; 500 bags, Order, Hamburg
GLUE—67 bags, American Express Co., Liverpool
GUM ARABIC—210 bags, Order, Calcutta
OIL—Cod, 8 bbls., Salem Oil & Grease Co., Yarmouth; 100 casks J. C. Bent & Co., St. Johns; 63 casks Wm. Litchfield, Halifax; Palm, 76 casks, Order, Liverpool; Seal 10 bbls., Marden Wild Co., St. Johns
POTASH—Carbonate, 16 casks, Manhattan Chemical Co., Antwerp; 31 casks, John D.

Lewis, Antwerp; Chloride, 21 casks, Order, Bremen
PYRIDINE—3 cases, Monsanto Chemical Works, Liverpool
SODA—Nitrate, 118,105 bags, W. R. Grace & Co., Chili; Perborate, 50 casks, Order, Rotterdam; Phosphate, 100 casks, R. & H. Chemical Co., Antwerp
STICKLAC—157 cases, Innis Co., Singapore; 324 bags, E. S. Parks Shellac Co., Calcutta
TRAGACOL—110 bbls., J. P. Marston & Co., Liverpool
TUMERIC—160 bags, Order, Liverpool
WOOLGREASE—800 bbls., Brown Bros., Bremen

IMPORTS AT BALTIMORE

July 9 to 16

MOLASSES, 1,300,000 gals., Cuba Distilling Co., Cienfuegos
POTASH—20 casks, 14,227 lbs., F. H. Shallus Co., Hamburg; Caustic, 101 drums, 56,520 lbs., F. H. Shallus Co., Hamburg; Manure Salt, 1,039,412 lbs., Potash Importing Corp., Bremen; 1,030,568 lbs., Potash Importing Corp., Bremen; 519,200 lbs., Potash Importing Corp., Bremen; 517,352 lbs., Potash Importing Corp., Bremen; 513,260 lbs., Potash Importing Corp., Bremen; 510,510 lbs., Potash Importing Corp., Bremen; Muriate, 2,000 bags, 401,786 lbs., F. H. Shallus Co., Bremen; 405,098 lbs., Potash Importing Corp., Bremen; 2,000 bags, 409,992 lbs., Potash Importing Corp., Bremen; 1,000 bags, 100 tons, F. H. Shallus Co., Bremen; 3,000 bgs., 602,114 lbs., Potash Importing Corporation, Bremen; 1,000 bags, 200,673 lbs., F. H. Shallus Co., Bremen; 2,000 bgs., 401,346 lbs., Potash Importing Corp., Bremen; 2,000 bgs., 401,346 lbs., F. H. Shallus Co., Bremen; 2,000 bags, 401,368 lbs., Potash Importing Corp., Bremen; 16,000 bags, 1,650 tons, F. H. Shallus Co., Bremen; 1000 bags, 200,904 lbs., Potash Importing Corp., Bremen; 4,000 bags, 400 tons, F. H. Shallus Co., Bremen; 1,000 bgs., 100 tons, Potash Importing Corp., Bremen; 4,110 bags, 410 tons, F. H. Shallus Co., Bremen

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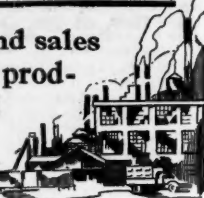
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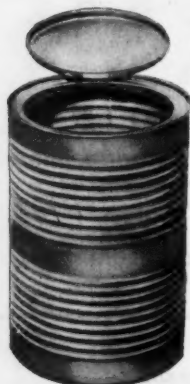
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PEROXIDE—Sealed bids are wanted July 24 by the commanding officer, Frankford Arsenal, Philadelphia, for 1,000 lbs. strontium peroxide.

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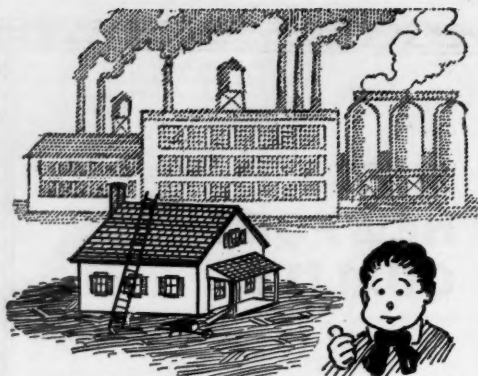
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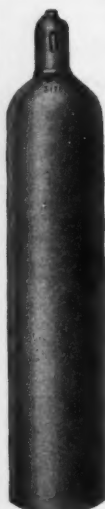
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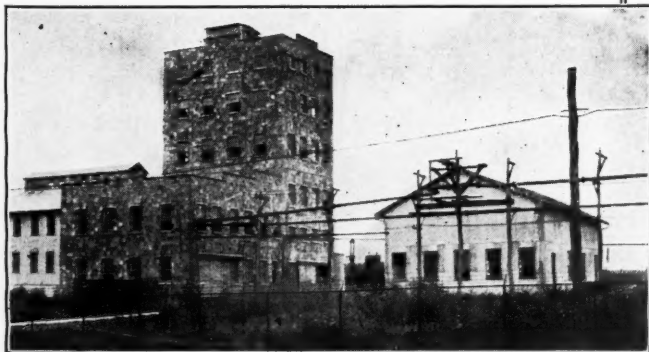
The World War gave a tremendous impetus to the importance of chemistry—an impetus being followed up energetically by far-sighted manufacturers.

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